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Professional profile

Experienced database and software engineer proficient in SQL Server, Oracle, Sybase, MySQL, PostgreSQL, with experience in database administration, database software development, database software delivery, customer interaction, project management, team leadership. Knowledge from power utility and online gaming industries. Striving to deliver value to customers and business.

Core skills

- Business and customer orientation
- Database design, development, maintenance, and tuning
- Database warehouse and BI development
- Software development
- Power utility and power engineering concepts. Smart grid concepts – ADMS, SCADA, OMS, GIS, asset, crew management and others.
- Online gaming industry knowledge.

Objective

Looking for position where I can deliver significant value to business and customers.

Added values

- Reduced complexity and improved clarity.
- Organized teams delivering better results on schedule.
- Project Management with strong dedication.
- Consolidated and automated process of database software production.
- Increased quality, stability, build and availability of database software.
- Database administration with strong dedication to business continuity.

Working experience

- **Finbet, Belgrade – July 2023. – Present**
 - Current position: **Senior Database Developer**
 - Responsibilities: Analysing current solution, finding missing features. Proposing how some issue can be solved. PostgreSQL database programming. Performance tuning. Leading system testing. Getting experience with Prometheus, Grafana, Apache Kafka, Docker, Kubernetes, Rancher.
- **Insicon, Belgrade – December 2021. – June 2023.**
 - Current position: **Database Engineer**
 - Responsibilities: SQL Server 2019 database software development, performance tuning. Data migration (ETL) using T-SQL, writing SSIS packages. Inventing new approaches to data quality measurement.
- **Finbet, Belgrade – August 2015. – December 2021.**
 - Current position: **Database administrator – Database engineer**
 - Responsibilities: Maintain and develop internal and client databases. Current duties are Oracle DBA, SAP (Sybase) ASE, Replication Server DBA, SQL Server DBA, database, ETL and BI developer for all these databases. Observing and running system in production and non-production environment, with the sense of the

system as a whole, and with focus on database part in it.

- **Schneider Electric DMS NS, Novi Sad, January 2012 – July 2015**
 - Position: **Project delivery database team leader deputy**
 - Responsibilities: As a part of project delivery division, in a team for database engineering, I've doing customization for product database, SME activities on projects, delivery, helping client with our system, QA activities, organizing team, doing training to our customers. Continuously innovating database software delivery process. Having knowledge about all the items in ADMS world, from business and IT side, helping colleagues in company to understand what is important and what is not, giving insights into whole ADMS software philosophy, architecture. Pointing to the holes in architecture, process and development. Since I had deep understood of the whole software stack, I was very good at triaging defects, and easily finding appropriate components. Also, by understanding whole software development cycle, and why something is needed to exist, I have explained team members why something needs to be done in that way. Answering tender documentation. Doing database migration process on production system without downtime.
- **Telvent DMS, Novi Sad, August 2008 – January 2012**
 - Position: **Database team leader deputy**
 - Responsibilities: From 2008 work as a database group leader deputy, leading group of 19 database and software engineers and developers. Organized all tasks related to databases in v2 and v3 ADMS versions. Logical and physical database design using ERWIN and lately Power Designer, database development, database administration, ETL, database migration and maintenance. In this period working mainly on Oracle, SQL Server with some Sybase activities. Tracking progress of software development, using formal software development tools. Working, together with architects, in discussion and design of historical part of ADMS software. From 2010, working also as **a member of product development team.**
- **Telvent DMS, Novi Sad, August 2008 – January 2011**
 - Position: **Project manager deputy**
 - Responsibilities: Together with PM, successfully delivered ADMS software to EVN Macedonia power utility. Organizing internal and external activities, resources, communication, being mainly responsible for technical side of project. Being in position to learn lots of utility\smart grid concepts SCADA, OMS, asset management and so on. Being in constant communication with all stake holders in a project, external and internal. Organising hardware recommendation tests, software deployment, observing development process, organising tests, introducing some new methodology for measuring quality of software (since in that time I did not know about existence of formal QA measures). Mitigating issues to the upper layers of management. Tracking political and customer satisfaction atmosphere.
- **DMS group. Novi Sad, Jun 2005. – August 2008.**
 - Position: **Database developer**
 - Responsibilities: Working mainly on database development, installation, maintenance of client and internal database systems as a part of DMS v2 application. In this period, I have worked mostly on Oracle and Sybase.
- **Power distribution company Elektrovojvodina, Sombor, Feb 2004. – Feb 2005.**
 - Position: **IT officer**
 - Responsibilities: maintain billing and technical systems work permanently without failures, development of current information system, Oracle, and Access databases maintenance, resolving specific needs for employees. Developing new

applications, using Oracle and Access tools.

- **VSiCG, Belgrade, March 2003. – Nov 2003.**
 - Position: **Database programmer**
 - Responsibilities: working with Access, entering raw data, database maintain, exporting data to Word and Excel, writing reports, SQL queries, adding new functionality using VBA
- **ICM Electronics, Novi Sad, Feb 2002. – May 2002.**
 - Position: **Entry level automation engineer**
 - OMRON automation equipment: sensors, PLCs, touch screens, inverters, SCADA hardware and software.
 - Responsibilities: customer support, making orders-sheet, suggesting automation configuration based on customer needs, field sale, and simple projects.

Sybase ASE specifics

- **OS:** Windows, HP-UX, Tru64, Solaris
- **Sybase ASE versions:** 12.5.1, 12.5.3, 15.0, 15.7 ESD1, 15.7 ESD2
- Experience with Sybase Replication Server 15.2 and 15.7
- **DBA activities**
 - Sybase Server installation and configuration
 - devices creation and configuration
 - Sybase Client installation
 - backup/restore procedures
 - database creation and configuration
 - Sybase upgrades
 - dev, qa, stage and production environments monitoring
 - establishing reliable backup procedures; DR site availability.
 - 24x7 on call duties, production issue resolutions
- **Migration activities**
 - planning and migrating databases from one Sybase ASE version to another
 - planning and migrating databases from one platform to another
 - planning and migrating databases between Sybase ASE and other databases
 - designing Extract-Transform-Load (ETL) processes, DDL, DML extraction
- **Database development**
 - problem analysis, logical and physical database design
 - writing DML and DDL scripts, stored procedures, triggers, views, T-SQL
- **Database and server optimization and performance tuning**
 - execution plan capturing and analysis
 - query analyze and optimization
 - statistics capturing and analyzing
 - indexes optimization
 - detecting deadlock problems
 - detect bottlenecks on all levels (hardware, network, server, database, query, index, locking)
 - application and database response speed up
- query performance tuning optimization
 - **Operating systems, platforms, servers and RDBMS**
 - MSSQL Server 2008 R2, 2012, 2017, 2019
 - Sybase ASE 12.5.x, ASE 15.7.x, ASE 16.0.x
 - Oracle Server 7.3, 8i, 10gR2, XE, 11gR2

IT, engineering, and project management

knowledge

- MySQL 5.0, 8.0
- Firebird
- SQLite
- PostgreSQL 13 and 15.
- UNIX (Tru64 5.1, HP-UX 11)
- MSDOS
- Windows 3.11, Windows 95, Windows NT, Windows 98, Windows 2000, Windows XP, Windows Server 2003, Windows Vista, Windows 7, Windows Server 2008 R2, Windows 8.1, Windows 10, Windows 11
- SUSE Linux enterprise edition SLES 10, RHEL 5.4, RHEL 6.4
- Solaris 10
- **Languages, script languages, applications and technologies**
- SQL, T-SQL, PL/SQL
- Python 2.4, 2.5, 2.6, 2.7
- Sybase: Sybase Central, ddlgen, Sybmigrate, ASE isql.
- Oracle: SQL*Plus, Toad, Oracle SQL Loader, SQL Developer, OEM Console, RMAN, Oracle Fail Safe, ASM, oradebug utility, tkprof, Advance Queuing.
- Access (97,2000, 2003) database design and development, programming and maintaining, queries, forms and report
- PostgreSQL pgAdmin
- **Database design tools**
- ERWIN 4.1.4
- PowerDesigner 12
- **Other technical knowledge**
- Power engineering, power distribution, ADMS, smart grid concepts
- Online gaming concepts
- Production system maintenance, administration and monitoring.
- Datawarehouse and BI design
- Lots of work with Microsoft Office (Excel, Word, PowerPoint, Visio)
- CVS, TFS, HG, Git, different bug tracking tools (Bugzilla, Jira), project management tools, document management tools.

Education

- **Dipl. Eng. Electrical and Computer engineering** (equivalent to MSc degree), University of Novi Sad, Faculty of Technical sciences, Novi Sad, Serbia

Projects

- From July 2023 started working as a database guy in a team involved in creation of microservice oriented product related to customer accounts management.
- From December 2021 until June 2023, I have been part of the team of people doing project migration from older version of software to product\platform version. My role in that migration is SQL Server programming.
- From March 2021 until September 2021, I've been included in project decommissioning since the project is closed. After data is migrated to another platform, decommissioning with all formal\strict rules to be followed.
- From Sep 2020 until March 2021, I've been on project related to player\customer migration from one platform to another. Within a project team I was involved with preparation and execution migration procedures where users from one system are transferred to another system, with desired data.
- During 2019 and 2020, I've doing tasks related to migration data from one portal to another. In this project my job was to do extraction, transformation and loading (ETL) data from old to new portal, from one structure to another. Creating an application for incremental update of data from source to origin data. Understanding, organizing

and executing all technical aspects of project from database perspective. Being in role of DBA, database developer, ETL developer, deployment.

- During 2018, as a part of multi-functional team, my task was to architecture, establish, maintain and document database part of DR solution, as well as database part of DR switch over procedure.
- At the end of 2017 and beginning of 2018, as a part of a team of 5, I've been responsible for creating cut-over procedure, testing new hardware, designing new business processes, and implementing cut-over procedure steps for database part of software stack during cut-over time frame for migration to new hardware platform. Project was successfully finished.
- In second half of 2015 starting work as Oracle DBA, where I was doing migration of 7TB Oracle 10gR2 database from one hardware to another.
- In 2014 and in first part of 2015 mainly working as SME for different projects in ADMS field, mentoring junior colleagues, team leadership jobs, doing code reviews, QA, improving database software delivery process.
- In 2013 doing client trainings and production database upgrade on client sites in USA – Austin Energy, Duke Energy.
- From 2012 become project delivery historical (database) team leader deputy delivering ADMS projects for power utilities mainly in USA, Canada, Europe, Australia, New Zealand, Denmark and India.
- In 2011 got a leadership role in a database team which is responsible for developing new version of ADMS software which would run on MS SQL Server 2008 R2.
- In 2010 for project in Budapest, Hungary, together with partner company EMASZ as a part of DMS group project, I am designing database application and database structures for archiving and fast retrieval of large amount of data. Also designing high availability architecture with Oracle RAC on RHEL 5.4. For incoming projects, I am involved in answering tender documentation (RFI, RFP) in the database field. In 2010 Got Microsoft certified training in MSSQL administration and maintenance.
- In 2009 for Central Power Grid Network, DMS pilot project in Guiyang, China: creating database night build process, preparing silent Oracle installations. This feature is also used in Colombia, Serbia, and Hungary projects.
- In 2008 – 2009 worked as a project manager deputy for DMS project for EVN Macedonia power utility. Project successfully delivered.
- In 2007 for ENEL, Italian power utility, worked on a procedure for Oracle10g installation and testing on SLES 10.
- In 2007 for Power Distribution Company Elektrovojvodina, Serbia, as a part of DMS group project, worked on a procedure for migration data and structures from Oracle8i to Oracle10g. Also doing data migration between Sybase 12.5.3 and Oracle 10g.
- In 2006 and 2007 for Peru project as a part of Telvent DMS project, I've dig to the roots of Sybase ASE and worked on query and database performances, database storage, and database automation. Also worked on migrating databases from one RDBMS to another on different OS. This is also used for all Sybase ASE projects I've worked on: Tunisia, Argentina, and Paraguay.
- In 2006 for EDELNOR Power Distribution Company in Buenos Aires, Argentina, as a part of Telvent DMS/DMS group project, I've been developing history database for primary database, on Sybase ASE 12.5.
- From 2005 until 2015 I had maintained production and test databases (on request), locally or remotely, in following projects: Tunisia (6 cities), Argentina (Buenos Aires), Peru (Lima), Colombia (one city), Paraguay (one city), Panama (one city), Mexico(Puebla), Serbia (whole Serbia), Macedonia (whole Macedonia), Indonesia, Bosnia and Herzegovina (one city), Italy(12 cities). Got an experience with Oracle 8i.

- In 2005 for STEG Power Distribution Company in Tunisia, as a part of Telvent DMS/DMS group project, I've design database and made application for tracking production databases versions, database deployments, projects, and scripts. Got an experience with Sybase ASE 12.5. Analysing and supporting DMS and SCADA databases in production. Performance improvement.
- In 2005, apart from being trainee, I've been working in parallel as a freelancer making application for simple bookkeeping, using Access database,
- In 2004 - 2005 for Power Distribution Company – Elektrovojvodina, as a trainee delivered following applications: application for library with email support for librarian, application for sending messages to specified computer or workgroup in LAN, application for working with wholesale, invoices, stock, taxes, application for monitoring working hours and application for mobile device (PSION) which is used by people who are entering data from electric counter. Got an experience with Oracle 7.3.
- In 2002 for B.Sc. thesis: "One solution of algorithm for obstacle avoidance of mobile robot."
- In 2001 for student project in the field of inter – computer communications and system programming support work on subject: "Computer communication and system support to bigger application, client – server architecture."
- In 2001 for student project in the field of optimization methods work on subject: "PID regulator control using neural networks and genetic algorithm."
- Strong work and personal ethic
- Joyful, enjoy working with people, sharing knowledge.
- Capable of creating good working environment
- With time and with deeper understanding of system I am working on, producing lots of suggestions how this system can be improved.
- Prefer evolutionary on revolutionary way of doing things.
- Strong analytical, mathematical, and reasoning skills
- Engineering brain, system thinking
- Good problem-solving skills (analysing problems, interactions between entities and solution providing)
- Good team player, possibility to work on different positions.
- Good organizational skills
- Broad general education
- Tactical thinking in the scale from Operational over Tactical to Strategic.

Work and personal abilities

Languages

Advanced English (FCE certificate), German beginner level, but capability and interest in progress. Russian only reading

Additional training

Assertive training. Transactional analysis. C# and .NET concepts. MSSQL Server 2008 installation and administration, MSSQL Server 2008 Performance and tuning

Interest and activities

Reading, playing chess, languages, choir singing, playing guitar and clarinet, amateur kick boxing, philosophy, art.