Popa Roger Sebastian

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Mobile: +40733847399

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Profile

Holding an experience of over 21 years in Databases, Data, Information Technology, Developer, Operating System, Web applications architecture (development, administration, design, installation, creation, maintenance, consulting) focusing in financial services (Ministry of Finance and Labor, Deutsche Bank). Successfully delivered complex programs, application for monitoring, analysis, optimization operating systems, databases, data science, designed and created an application with web technology for the internal financial service of a local Pension Fund: collecting data, creating & exporting reports and financial statistics, analysis, design, create & maintain artificial intelligence programs, as well as offering service and maintenance to the application, databases, operating systems, project management.

Education

- KX Advanced, Fundamentals (KDB+/Q, PYKX, QSQL) (2023)
- Cisco Certified Network Associate (CCNA) (2011)
- License in Cybernetics from the Academy of Economic Studies, Bucharest, Romania

Romanian–American University, Computer Science for Business Management, Bucharest Romania (1995-1999)

Technical Skills

- Technology skills:
  - DB: Oracle, MySQL, Shareplex, KDB+/Q , SQL, PLSQL, QSQL, PYKX
  - OS: Windows server 2012, 2016, Linux, Redhat, Ansible, Unix, Apache
  - Web developer technology: Python, Anaconda, Jupyter, Django, PHP, Javascript, Java, Ajax, HTML, CSS, XML
  - Shell: Bash, PowerShell
  - Virtual machine: VMware, Hyper-V, VirtualBox
  - Network: CCNA
  - Project Management: Atlassian, Jira, Confluence, BitBucket

Career Progression

IT Technical Lead, Deutsche Bank -Global
2022 -present

- Databases administration
- Scripts development
- Web platform administration

Technical Environment: Oracle, Sql, PLSQL, Windows Server, Linux, Powershell, Bash, PHP, Javascript, HTML, CSS, Web, Atlassian, Jira, Confluence, BitBucket

DB, OS,VM, Administrator, Developer, Ministry of Finance -Bucharest, Romania
2014 -2022

- Databases installation, administration
- Operating systems, server installation, administration
- Periodically create backups database with Oracle RMAN & automatic procedures
- Import export DB
- Create & optimize PL-SQL & SQL objects
- Design & create Artificial Intelligence & Web applications (Python, PHP, Javascript, HTML, CSS, Java)
- Interact with databases, files, pipeline sql queries on databases & files to obtain financial results, different statistical variables, parameters (financial app, databases, operating systems, web), reports
- Oracle WebLogic server administration, Oracle Enterprise Management Cloud Control
- Shareplex replication
- Virtual Machine installation, administration
- Data science, statistics, reports, views

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Technical Environment: *Oracle (DB, Grid, ASM, RMAN, WebLogic, EMCC), MySQL, KDB, Sql, PLSQL, SharePlex, Windows Server, RedHat, Ansible, Vmware, Hyper-V, VirtualBox, Python (Numpy, Pandas, Matplotlib), Anaconda, Jupyter, Django, PHP, Javascript, HTML, CSS, Web, Java*

DB, OS, VM, Network, Administrator, Developer Ministry of Labor -Romania
2001 -2014
- Database installation, administration,
- Operating system server installation, administration
- Design, creation, implementation of web applications: survey data collection from users & other database &c applications, financial, statistical application & reports creations, import/export database in & from another format, periodically backup database & with automatic procedures, optimized SQL selection
- Virtual Machine installation, administration
- Design & create Artificial Intelligence programs

Technical Environment: *MySQL, Sql, Windows Server, RedHat, CentOS, VMware, Hyper-V, VirtualBox, PHP, Python, Javascript, HTML, CSS, Web*

Interests
Cloud, Virtual Machine, Blockchain, Cryptocurrency, Sport, Read

Language
- Language skills: Romanian (native), English (medium)
- Nationality: Romanian

Projects
- Creating work environment and tools for monitoring it
  - Project Management
  - Creating virtual machines (Hyper-V, VMware) with Windows Server, Red Hat operating systems, configuring, managing them
  - Install Oracle Grid, RAC, databases, configuring, managing, monitoring them
  - Creating monitoring tools using Python, PHP, Javascript, Java, HTML, CSS, PowerShell, Bash technology:
    - creation of connection and working utilities between units (similar to Ansible)
    - OS monitoring: disk space, RAM, CPU, processes
    - DB monitoring: DB size, DB object size, configuration parameter optimization (automatically where possible), snapshots, log files, …
    - Grid, ASM monitoring
    - RMAN backup monitoring
    - replication: Shareplex, database link
    - import, export db, objects db
    - monitoring of external storage spaces
    - creation & optimization of PL-SQL, SQL objects
    - creation of the web platform for use, interaction, visualization of the results of these utilities
- Design, creation, implementation of financial web applications (PHP, MySql, Javascript, Ajax, HTML, CSS, Python, Java)
  - survey data collection from user & other entities (files, databases, applications)
  - financial, statistical application, reports creation, analisys, data science, statistics, reports, views
  - import/export db, object db & in/from another format
  - backup database with automatic procedures

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- optimization SQL

Selected Work Experience

Administrator & Developer   **2001 -Present**

Responsibilities and Contributions:

- Project Management
- Create tools for monitoring, administration of operating systems, databases, network parameters, services, objects …
- Find, read, seek, interpret, solve log files for errors
- Interact with services, objects on demand or in automation mode
- Modify some parameters on demand or in automation mode
- Action with services, programs on demand or in automation mode
- Crete reports, statistics on demand or in automation mode
- All this with the implementation of the principles of Robot Process Automation and Artificial Intelligence
- Design, creation, implementation of web financial application: survey data collection forms users, databases, files, applications; financial, statistical, reports, analysis modules, tools.
- Interact with databases, files, pipeline sql queries on databases & files to obtain financial results, different statistical variables, parameters (financial app, databases, operating systems, web)
- Dashboard with reports, financial balances, statistics, working parameters; Interfaces for collecting data, viewing dates, reports, statistics, automat calculation of various financial elements, balances sheets
- Operating systems, server installation, administration
- Databases installation, administration, create objects
- Periodically create backups databases with Oracle Rman & automatic procedures
- Import export DB, objects DB in/from divers formats
- Create & optimize Pl/Sql, Sql objects
- Design, create AI, Web applications
- Shareplex replication
- Virtual machines installation, administration

Technology: Oracle (DB, Grid, Asm, Rman, Weblogic, Emcc), MySql, KDB/Q+, Sql, Pl/Sql, SharePlex, Python (Numpy, Pandas, Matplotlib), Anaconda, Jupyter, Django, Php, Javascript, HTML, CSS, Web, Windows Server, RedHat, Ansible, VMware, Hyper-V, Powershell, Bash, Atlassian, Jira, Confluence,BitBucket