Darin
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POSITION
Senior Java developer

PERSONAL DETAILS
Residence: Rousse/Sofia

EDUCATION
Diplom: Technical University of Rousse, Bulgaria, MSc in Computer Technologies

LANGUAGES

Bulgarian - native
English – fluent level
Russian - fluent level

More than 20 years professional experience in software architecture and development.

CAPABILITY
Deep knowledge and understanding in Java technologies and relational databases. Knowledge of Linux and network administration. Deep knowledge of hardware design. Experience of automotive communication protocols.

TECHNOLOGIES
- Java, JavaEE, JSF, Servlets, Junit, REST, Hazelcast, micro-services
- Apache Tomcat, JBoss, Jetty, Glassfish, WebSphere
- Spring, Spring boot, Hibernate, JOOQ, Jboss seam
- Git, Bitbucket, SVN, PVCS, SourceSafe
- Jenkins, Maven, Ant
- Oracle DB (Development & administration), Postgres, MySQL
- hSQL, PL/SQL, Redis, Flyway, Lucene
- Jira, TestTrack, Canbanize
- Heroku PaaS, IaaS, SaaS
- Docker
- Nuxeo

- 3D modelling and printing

- Hardware design

- Linux administration

CERTIFICATIONS
- C developer
- C++ developer
- Java Developer (IPT intellectual)
- Java EE Developer (IPT intellectual)
- Marconi ICT, MTL language, (IFR Paris)
- Nuxeo fundamentals (Hyland university, Ohio, USA, 2022)
- Nuxeo backend basics (Hyland university, Ohio, USA, 2022)

ONLINE PRESENTATION
https://drive.google.com/file/d/1WmOyXHfmVVVTzWLMT2lOGAUqu7Rk_2dz/view?usp=sharing
- The archive must be downloaded locally, is password protected, and the password is darinmasov9
- http://dmasov.hopto.org/ password darinmasov9

PROJECTS

Senior software developer

Senior software developer
Online marketplace https://www.nexmart.com/en/ . Kotlin, Spring, Spring-boot, Flyway, REST services - JSON, Postgres, JOOQ, microservices

Senior software developer

Senior software developer
● Social network - https://www.harley-davidson.com/eu/en/content/hog.html GPS tracks and attached images, for mobile devices. Spring, REST services - JSON, Postgres, Hibernate, Redis, Cloudinary, Heroku PaaS ● SaaS cloud system – ERP for the building industry https://peerassist.com/ . **Technical environment:** Spring, Hibernate, Hazelcast, MySQL, several Ubuntu IaaS, Apache WEB server, Tomcat WEB container. ● SmartHome IoT project, based on BeagleBone hardware, and OpenHAB. Debian OS for BeagleBone. ● PL/SQL integration scripts, mobile document management system. Oracle DB.

Software developer
WEB based ERP and forecast system for Coca-Cola, co-development with Coca-Cola Vienna. Several WEB modules, every of them upgrades current ERP system:
● Demand forecast - according to old logged data - predicts the demands for every store.
● Distribution management - module for distributing and redistributing of goods for exact store. **Technical environment:** Tapestry, MySQL, Maven (m2e), ShanilleKit

Software developer
● WEB based dictionary – neologisms (Jboss, Jboss Seam, EJB3, JPA/Hibernate, Postgres, facelets) ● WEB based dictionary – phraseological (Jboss, Jboss Seam, EJB3, JPA/Hibernate, Postgres, facelets). ● WEB based system for bibliography information. **Technical environment:** Jboss, Jboss Seam, EJB3, JPA/Hibernate, Postgres, facelets, Lucene, JavaScript ● Server-side validation engine. Validates information, entering by the user http://www.banite.egov.bg etc. **Technical environment:** Xpath, XSLT, XML, DOM

Software test engineer
● Defect tracking. White and black box testing. ● Implemented installation and test scripts. C++ and JCI script (Basic based) for the target device - clusters for cars, BMW and VAG group. New and in production: automatic validation via MOST, CAN and K-BUS lines), KWP2000 diagnostics. **Technical environment:** JCI testing environment, Vector Informatik tools for CAN and LIN (CANoe, CANdela), Oscilloscope.

Test engineer
● Functional test **(FT)** – automatic mechanical stress test for wipers. Standard wave analysis. ● **(FT)** - 9 different projects (15 test - fixtures) - hardware design ang software. Modules for viper cleaners. ● **(FT)** - module for opening the trunk, - CAN bus with rest-bus simulation (multi-threading), protocol TP2.0 under KWP2000, K-LINE, Real–time messages and diagnostic session, wave analysis, parsing of Vector Informatik traces. ● **(FT)** – Hall - effect based positioning sensor with 16 bit micro-controller. Mathematical wave digital analysis: - Fast Fourier transitions, Median filtering, RC circuit emulation, mathematical derivatives etc. ● **(FT)** - module for 2 K-LINE synchronized wipers. ● Thermo - conductivity test ● In-Circuit PCB test - 4 different projects - hardware design ang software ● Client side part of Automatic test-result analysis, SPC, e-mail and SMS notice alarm, link with SQL server, automatic weight analysis ● DLL middle level driver for Windows for K-Line Annecy communicator, developed with Visual Studio, program language C. ● Linking to LabVIEW - DLL middle level driver for LIN CanCard XL with LIN option ● Image recognizing. Software for counting and checking the electronic modules before packaging. Brightness, contrast and gamma control, match pattern etc. **Technical environment:** LabVIEW 6.1. for Windows 98, Visual Studio, National Instruments acquisition card, pneumatics, Vector Informatik CanCard XL with LIN option, National Instrument's Imaq Vision and Vision builder. MTL programming language under Windows 98 OS, IFR (Marconi) IC testers. FESTO diagnostics protocol.

06/2000 – 03/2001
SIST Electronic

Electronics engineer
● Development the software part and the hardware schematic of Emulator that guarantees the normal functioning of ECU controlled petrol injector to LPG alternative fuel. ● Development the software part of digital thermo regulator with clock for water-heater ● Hardware optimization of Electronic protecting of 3-phase motors in wide power range (up to 180 kW) ● Development the software part of 3D real time map generation, based on GPS and laser plane data acquisition. **Technical environment:** Programming language C, Protel PCB. SW tools for 8051 family micro-controllers (emulator and compiler), programming language Assembler.

06/1999 – 05/2000
DSM Ltd

Electronics engineer
● Development of microprocessor system for data recording and reading information by counters in a central automatic telephone exchange including hardware, software and PCB design. RS232 link to PC. User friendly command interface. ● Development the software part and the hardware schematic. Micro-controller for stepper motor. ● LAN and PC maintenance and repair **Technical environment:** SW tools for 8051 family micro-controllers (IAR compiler), programming language assembly, C.

1994 – 1996

Electronics engineer
Radio and TV repair **Technical environment:** Oscilloscope, Multi-meter, Specialized tools etc.