

Dragan Krstić

Born: **25.09.1978.**

Contact: dragank@gmail.com

I am a passionate programmer with nineteen years of professional experience. I am working as an engineer and full stack CAD programmer and occasional reports programmer.

Work experience:

2019 / 01 -

ams Sensors GmbH, Jena, Engineer

Optimal optical sensor calibration regularisation parameters selection using Matlab.
Sigma Delta modulators coefficient selection with parametric simulations using Matlab.
Dominant parasitic capacitors detection tool using Cadence Skill programming language.
Various signal plotting and sampling Cadence Virtuoso addon utilities using Cadence Skill programming language.
MS Excel reports from various text and HTML data sources using Python.

2018 / 08 - 2019 / 01

HWT Ilc, Kruševac, Programmer

Mobile topup requests processing server and configuration UI design and development using Java programming language.
Report generating server setup and reports development and deployment.
Performance measurements and determining server units.
Database optimisations in queries, model and MySQL setup.

2017 / 10 - 2018 / 08

Gecko solutions Ilc, Belgrade, Programmer

Developed a custom binary tree enumerating and positioning algorithm.
Developed tree storage database schema.
Tree querying optimisations and race conditions alignment.

2014 / 09 - 2017 / 09

MNO Ilc, Belgrade, Programmer

SOAP and REST clients and servers interfaces for various systems interconnectivity.
Music authors and rights income distribution from Deezer and Youtube platforms including input files processing, distribution coefficients DB2 database schema design and configuration web application programming.
Government tax office HR web application systematisation module using Oracle ADF framework and Oracle database.
Primary healthcare software migration from Oracle ADF to Vaadin framework.
Primary healthcare software integration with the central republic scheduling system.
Republic intellectual property office e-filing web application based on SOAP api development.

2011 / 09 - 2014 / 08

Asseco SEE Ilc, Belgrade, Programmer

Financial transactions processing software development and maintenance.

System defects removal.

Interoperability and client interfaces development.

Analysis of request types, issues and classification of them using production databases and external data sources.

MS Excel report generation using report server.

2009 / 03 - 2011 / 09

MNO Ilc, Belgrade, Programmer

Music Authors Rights Information System web application development using Java programming language, JBoss Seam framework and DB2 database.

Sport objects registry web application development using Oracle ADF framework and Oracle database.

Primary healthcare software web user interface programming.

2008 / 05 - 2009 / 01

Agena Technology Ilc, Simanovci, Engineer

Complete hardware and software design and commissioning of several machines for connecting rod production line (DeTorque machine, Ford Puma monoblock splitting machine). Commissioning, software improvements and hardware optimisations in inverters for Rotary Honer machine. Maintenance and functional improvements of various grinding machines.

2006 / 07 - 2008 / 04

Omnilogika Ilc, Belgrade, Programmer

Developing Oracle Partner Marketplace portal as Balkan region Oracle partners technologies experience exchange portal. Developing presentation tier for Primary Healthcare software.

2003 / 05 - 2006 / 06

Linkom Ilc, Krusevac, Engineer

PC assembly, maintenance and administration. VBA Excel addons and standalone applications programming.

Education:

School of Electrical Engineering, Belgrade

MSc in Electronics

Main fields of study: optoelectronics, signal processing, microcontrollers, control systems.

Skills:

Programming: Java, SQL, Matlab, Python, Cadence Skill, HTML, Javascript, CSS.

Frameworks and libraries: Oracle ADF, JBoss Seam, Vaadin, JSF, Hibernate, Eclipselink, jPOS, Spring Boot.

Databases: Oracle, DB2, MySQL.

Application servers: Oracle WebLogic, JBoss (4+, Wildfly), Tomcat, Jetty

Tools: Standard web application development tools for database, middleware and client programming, Cadence Virtuoso.

Build and versioning: Ant, Svn, Git, Ivy, Maven.

Courses:

May 2020	Cadence Skill & Skill Programming
Jan 2018	Udemy Spring Boot course
Mar 2012	Coursera Machine Learning
Nov 2007	Oracle Java, J2EE and ADF Bootcamp

Languages:

Serbian, English