Andrei Straut

Lisbon, Portugal
https://www.andreistraut.info/#contact
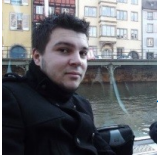
PROFESSIONAL EXPERIENCE

Talkdesk, Inc

May 2018 – Present
Call Center Platform
Software Engineer, Agent Presence Initiative

As a Talkdesker, I am part of a multidisciplinary, fullstack team, with focus on development and maintenance of the code and infrastructure necessary for a microservice responsible for managing the presence state of agents within the Talkdesk system.

As part of this team, I participate in all feature life cycle phases, from effort estimation, planning and design, to implementation and subsequent issue correction.

We deal heavily with realtime APIs, high-availability services, and distributed systems.

Technologies and concepts used: Elixir (with Phoenix), MQTT, Docker, Kubernetes (GKE), Websockets, microservices, REST APIs

Coriant, Gmbh

January 2016 – May 2018
Telecommunications
Lead Software Engineer / DevOps Engineer, DWDM Network Planning

As a Lead Software Engineer within the Network Planning team, my main responsibility was design, implementation and maintenance of business-specific algorithms and features, centered on the Routing and Wavelength Assignment domain, using Java as a development language, Git as the version control system, and Jenkins as the Continuous Integration environment.

I was also, on my own initiative, responsible for the introduction of several productivity, visualization, and statistical analysis tools, most of them the result of personal software development off-Coriant. These tools were implemented using a large array of languages and technologies, ranging from Java to Python and AngularJS, and from WebSockets to WebServices.

I mentored new additions to the team, explaining the business domain, project architecture and code, helping to integrate them into the Network Planning (and larger Coriant) team.

Coriant, Gmbh (External Contractor by Rupeal, Lda)

April 2013 – December 2015
Telecommunications
Software Automation Engineer, DWDM Network Management

As a Software Automation Engineer within Coriant I was responsible for several efficiency-improvement projects to reduce time-consuming manual tasks, from generation of software delivery reports, to automation of manual tests performed by the Software Verification team, implemented in Java, Python with Robot Framework, again using Jenkins as a Continuous Integration Environment.

I was selected to be part of a special 6-person task force responsible for the design and implementation of a proof-of-concept novel tool in the Network Planning department, which ended up being a standalone Coriant project, relying on extensive knowledge of graph theory and path-finding algorithms.

IT&S, SA

January 2012 – December 2012
E-commerce
Software Engineer

Aceora Software, Inc

December 2010 – January 2012
Custom Software Solutions, Outsourcing
Junior Software Developer

PERSONAL PROJECTS

Personal Website

https://www.andreistraut.info/

Personal presentation and showcase website, where I occasionally post updates and projects I'm working on. Code publicly available on GitHub.

GAPS – Genetic Algorithm Path Search

https://www.andreistraut.info/gaps

Project exploring path searches in graphs using genetic algorithms. Built with strong focus on UI and ease of use, allowing a user to explore and compare various possible paths within a network, from a traditional perspective (Djikstra) and out-of-the-box implementation using genetic algorithms. Code publicly available on GitHub.

Monkins – Multiple Jenkins Monitor

https://www.andreistraut.info/monkins

Project aggregating job statuses from different and separate Jenkins CI servers, and displaying them in a unified radiator view. Code publicly available on GitHub.

EDUCATION

Software Engineering, BAC+4

Automation, Computers, Electrical and Electronic Engineering College, Galati, Romania
2007-2011

Mathematics-Informatics bilingual English, BAC

"Mihail Kogalniceanu" National High-School of Galati, Romania
2003-2007

SKILLS & ABILITIES

Certifications

Oracle Certified Java SE 8 Programmer 1 (1Z0-808)
Cambridge English: Advanced (CAE)

Other

Programming languages: Java (SE / EE / Android SDK 10 - 13), C# (.Net Framework 4.0), PHP (Zend Framework, Magento), SQL / PL-SQL (mySQL, PostgreSql, Oracle), Python

Web: JavaScript, Angular/AngularJS, Bootstrap, Jquery, HTML, CSS

Testing: jUnit, MS UI Automation, Robot Framework, Selenium

Build tools and CI: Ant, Maven, Jenkins

SOA: REST, SOAP

OS: Windows, Linux

Team Development: SVN, Git, Perforce

Design and modeling: UML

Tools and IDEs: Eclipse, IntelliJ, NetBeans, Visual Studio 10

Other: Hibernate 3, XML/XSLT, JSON, WebSockets, Oracle E-Business Suite 11g

LANGUAGES

CEFR Scale:
Romanian: native
English: C2
Portuguese: C2
French: B1

CAUSES AND HOBBIES

International Red Cross Volunteer (via Romanian branch), 2004-2012
AIESEC Volunteer, 2009-2010
Professional indoor volleyball player (INATEL league)
Everything tech-related