Andrey Golubev

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Summary

I have 10+ years of experience in diverse software development roles, with a deep understanding of engineering best practices. I'm passionate about producing clean, maintainable code, and have a proven track record of delivering high-quality work on time. I'm highly organized, detail-oriented, and a strong team player, always eager to learn and take on new challenges in fast-paced environments.

Key skills

General skills

Critical and analytical thinking

Open-mindedness and receptiveness to others' ideas and opinions

Lateral, innovative, and abstract thinking

Effective time management

Inventive problem-solving skills to meet business needs

Commitment to active learning and continuous self-improvement

Strong organizational and planning skills

Exemplary work ethic

Ability to work both autonomously and collaboratively as a team member

IT skills

Java (JDBC, JPA, JSP, Hibernate, Maven);

Spring;

Angular2, TypeScript, Material Ul, React;

Python, C++, Go;

AWS (ES2, S3, SQS, Lambda, CloudWatch, Elastic Search, DynamoDB, RDS, IAM, VPC, CloudFormation, SAM);

JUnit, JMock;

REST, JSON, JSON Schema, GeoJSON;

Intellij IDEA, PyCharm, CLion, Eclipse, VSC;

HTML, CSS, SQL (MySQL, PostgreSQL, MariaDB, Liquibase), JavaScript (NPM, AJAX, JQuery), Bootstrap;

Git, BitBucket;

Docker, Jenkins;

Linux (Ubuntu, Oracle Virtual Box);

API integration, Agile methodologies, Design patterns, regression, unit, load testing;

Employment History

➢ **Position:** Software Engineer   **2021 – now**
  Company: Compare the Market, Brisbane, Australia

Responsibilities

- Developed and maintained full-stack applications using Java, C#, Go, Svelte, JavaScript, React, Redux, Saga, Flutter, and other modern technologies.
- Utilized tools and platforms such as Selenium, Spring, MariaDB, GitHub, Docker, Kubernetes, Bamboo, Jira, Confluence, Azure, Splunk, New Relic, and various AWS services (Lambda, CloudWatch, CloudFormation, KMS, EC2, etc.).

- Led the IT development team for a health insurance project for a year, overseeing task management, planning, and executing weekly releases.
- Collaborated effectively with multiple delivery teams, including the core team, to ensure seamless integration and delivery of projects.

➢ **Position:** <u>Senior Software Developer</u>   **2021 – now**

Responsibilities

- Developed the backend for a drone flight operations, fleet, and compliance management system using Java, Spring Boot, Hibernate, Liquibase, MariaDB, Bitbucket, and GeoJSON.
- Built and maintained a flight planning module to verify compliance with CASA regulations, incorporating coordinates, times, RPA models, NOTAM, and various geo API parameters.
- Preprocessed geospatial data using Python to enhance data accuracy and efficiency.
- Troubleshot and optimized a DJI flight logs parsing service (C++, Ubuntu) and developed comprehensive unit tests to ensure reliability.
- Developed and integrated third-party platform applications using Node.js and GraphQL.

➢ **Position:** <u>Software Developer</u>   **2019 – 2021**

Responsibilities

- Developed both the backend and frontend for mining project evaluations and stock data search and analysis using Java, Spring Boot, Hibernate, PostgreSQL, Angular2, Node.js, Bitbucket, Git, and Jenkins.
- Deployed and maintained AWS infrastructure, including CloudFormation, DynamoDB, Lambda, and Elasticsearch.
- Developed and executed unit, regression, and smoke tests to ensure high-quality software.
- Integrated stock data provider APIs into the system for seamless data access and analysis

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➢ **Position:** <u>Full Stack Java Developer</u>   **2018 – 2019**

Responsibilities

- Developed web applications and REST APIs using Java, Spring, Hibernate, MySQL, HTML, CSS, Bootstrap, JSP, and JavaScript (JQuery, AJAX) within a continuous development and agile methodology framework.
- Deployed and maintained AWS infrastructure, including EC2, Elastic Beanstalk, Lambda, CloudWatch, SQS, RDS, S3, and DynamoDB.
- Developed and executed unit, regression, and smoke tests, as well as automated tests using JUnit and Selenium.
- Provided email-based customer support for a major client, resolving issues for the operational teams of other customers.
- Authored comprehensive documentation and user guides to facilitate system usage and troubleshooting.

➢ **Position:** <u>Engineer</u>   2014 – 2017

Responsibilities

- Developed multiple web applications to automate geotechnical calculations using Java, Spring Framework, Hibernate, and MySQL.
- Collaborated in an agile team with 2-week sprints, incorporating feedback from the product manager to refine features and functionality.
- Developed data analysis algorithms using tools such as Jama and Apache Commons Math.
- Utilized Spring Core annotations for dependency injection, and employed Spring MVC, Security, and Boot for application development.
- Created JSPs with HTML, CSS, Bootstrap, and JavaScript (including JQuery, AJAX, and Plotly).
- Managed version control using Git, ensuring code integrity and smooth collaboration.
- Maintained high levels of unit test coverage through Test-Driven Development (TDD) using JUnit and jMock.
- Implemented logging using Spring AOP and AspectJ for enhanced application monitoring.
- Administered MySQL databases and Linux servers, ensuring optimal performance and reliability.

➢ **Position:** <u>Engineer</u>   2010 – 2017

Responsibilities

- Developed software for data analysis, APCS, and physical modeling using Java, C++, HTML, JSP, JavaScript, CSS, SQL, JavaFX, Swing, Jama, Apache Commons Math, and Matlab Servers.
- Created JSPs with HTML, CSS, Bootstrap, and JavaScript (including JQuery and AJAX) for web application development.
- Managed project development, including preparing tender documentation, planning and monitoring projects, communicating with customers, and preparing and presenting reports.
- Researched and synthesized emulsions for medical X-ray, air, and aerospace photographic films, developing APCS software to streamline the process.
- Integrated various modules into a unified network and conducted pre-installation testing for each device, ensuring seamless assembly.
- Conducted test syntheses, adjusted equipment and software, and provided post-production customer support.

Patents and Papers

- Patent 2549863. Apparatus for the synthesis of photographic emulsions. 02.04.2015.
- Patent 2553914. A method of making photographic emulsions. 25.05.2015.
- A review on the fabrication and properties of platinum nanoparticles, Reviews on advanced materials science, Jan 1, 2014.
- Synthesis and Applications of Platinum Nanoparticles: A Review, Nanotechnology Vol. 2: Synthesis and Characterization · Jan 1, 2013

Education

Master's Degree in Physics. Cum Laude.
Bachelor's Degree in Radio Physics. Cum Laude.