

ARSEN

SOFTWARE ENGINEER

SUMMARY

- Master's degree in Applied Mathematics and Informatics.
- 5+ years of experience as a Software Engineer, specializing in Java and C++.
- Proficient in building and maintaining complex distributed enterprise systems.
- Collaborative work experience with international teams using various Agile methodologies.
- Strong foundation in OOP, OOD, SOLID principles, Inversion of Control (IoC) principles and Software Testing Techniques.
- Skilled in creating Page Object Model-based UI automation tests using Java, Selenium, and Rest-assured, employing TestNG and JUnit5 frameworks.
- Adept at producing clean and maintainable code with a focus on Unit and Integration Testing.
- Proficient in using CI/CD tools such as Jenkins and TeamCity.
- Strong analytical and problem-solving abilities.
- Excellent communication and interpersonal skills.
- Highly motivated, well-organized, and energetic.

SKILLS

Java (JDK 8/11/17, Collections, Stream API, Concurrency, Microservices, Design Patterns):

C++ (Core C++, STL, QT):

Kotlin (Functions, Collections, I/O, Ktor, Routing):

Python (Basic knowledge):

Web Development: Spring, Spring Boot, Spring Security, Spring MVC, Java EE, Servlet, JSP, Hibernate, JavaScript, jQuery, HTML, CSS:

Web Services: Curl, Socket, HTTP Server, REST, JSON, XML, POJO, Jackson, Apache Tomcat:

Mobile App: Android SDK:

Databases: MySQL, PostgreSQL, MongoDB, RedisDB, SQLite:

Messaging Protocol: RabbitMQ, Apache Kafka:

Cloud Technology: AWS (IAM, EC2, S3, VPC, Cloud Formation, RDS, SNS/SQS, Serverless, CI/CD tools), GCP (Compute Engine, GKE, Google Cloud Storage, Google BigQuery, Google Cloud Pub/Sub):

Tools: Maven, Gradle, Cmake, Git, Lombok, Swagger, OpenAPI, OpenCV, IntelliJ Idea, Eclipse, Android Studio, Visual Studio, UML Tools, SQLyog, VPN:

Testing: JUnit5, Mockito, Selenium, REST-Assured, TestNG, Cucumber:

DevOps/Code Quality Reports Tools: Jenkins (CI/CD), Docker, Kubernetes, SonarQube, BlackDuck, Checkmarx, Lingopoint:

Logging: JUL, Log4J2, SLF4J, Logback:

Team collaboration: Jira, JetBrains Space, Trello:

Operating System: Windows, Linux, Mac OS:

IoT (Internet of things) application: Raspberry Pi, Arduino, ESP8266: Protocol (I2C, SPI):

IoT Microchip drivers programming: BCM2835, DT8824(SCPI commands), BME280, ADS1115, AD5675AR, AD9106B, DS32C35, DRV8825, DRV8662R, INA260A, MCP4725, Relay Controller:

WORK EXPERIENCE

EPAM Systems <https://www.epam.com/>

Jul-2021 - Till now - Software Engineer, Mentor

Customer: UKG, Inc <https://www.ukg.com/>

EPAM Project Description: Implementation of client's enhancements for WFD

Team Size: Team with 9 members, Dev Team: 5 members, QA Team: 3 members, Scrum Master

Project Roles: Key Developer

Responsibilities:

- Participating in kick-off and grooming sessions with the architect team
- Clarifying requirements with the customer team
- Participating in task decomposition
- Development of new features and bug fixing
- Writing unit and performance tests
- Automating UI test cases using Java-based technologies and different design patterns.
- Participate in test automation scope definition.
- Analyzing defects and design documents
- Writing DoD documentation

Tools and Technologies: PostgreSQL, Docker, Kubernetes, Dynatrace, Jenkins, Sonar, BlackDuck, Checkmarx, LingoPort, Jira, Git, Bitbucket, Confluence, DBeaver, Java SE, Java EE, Spring, Selenium, RESTAssured, GCP, Jax-RS, Angular JS

iHost LLC <https://ihost.am/>

Feb-2020 - Jul-2021 - Software Engineer

Customer: HyeConnect Foundation

Project Description: Pan Armenian digital platform (social networking service) that will connect Armenians around the world. <https://hyeconnect.org>

Team Size: Team with 10 members 8 devs, 2 QA engineer.

Project Roles: Key Developer and QA Automation Lead

Responsibilities:

- Perform project design and development activities according to customer specifications. Track project progress regularly and develop status reports to management. Follow company policies and safety regulations for operational efficiency. Research and recommend new technologies to carry out project development tasks. Provide assistance to other Developers, perform peer reviews and provide feedback for improvements. Develop cost reduction initiatives while maintaining quality and productivity.
- Wrote two Services, Email Service and RBAC Service.
- Implemented test automation scenarios for the platform using Java, Selenium and TestNG.

Tools and Technologies: PostgreSQL, MongoDB, Redis DB, Java 14, Spring Boot2, Spring Data, SonarQube, Junit5, Mockito, Docker, Jenkins, Gradle, Selenium, TestNG, Thymeleaf, Microservices architecture, Logging, REST, GitLab, Jira.

Shirak Technologies (SHTE LLC) <https://shte.net/>

Jun-2019 - Feb-2020 - C++ Engineer

Customer: International Research Center Garni, Dubna State University, CERN (Conseil européen pour la recherche nucléaire)

Project Description: Precision Laser Inclinator <http://seismo.am/>

The Precision Laser Inclinator (PLI) System is a collaborative project between the Joint Institute of Nuclear Research (JINR) in Dubna, Russia, Shirak Technologies Enterprise, Gyumri, Armenia, and Garni Seismic Observatory of Ministry of Emergency Situations Republic of Armenia

Team Size: Team with 4 members 3 devs, 1 Scrum master.

Project Roles: Key Developer

Responsibilities:

- Wrote a program for ADS1115 to analog-digital conversion.
- Wrote a program for connecting and getting data from the DT8825 device to Raspberry Pi with SCPI commands.
- Wrote a program for DRV8825 to connect and manage step motors.
- Wrote a program for BME280 to connect and get pressure, temperature, and humidity.

Tools and Technologies: Influx DB, C++, STL, Boost, Python, Bash script, Raspberry pi, Design and Develop client-server IoT (Internet of things) application.

S-C-D-M LLC (Subsidiary of Deloitte Audit Analytics GmbH) <http://www.scdm.de/>

Jul-2018 - May-2019 - Junior Software Engineer

Customer: SCDM Financial

Project Description: Web application for data sharing among team members.

- Tools and libraries for accessing FIRDS online data

Team Size: Team with 6 members 4 devs, 1 Scrum Master, 1 Data Analytic

Project Roles: Developer

Responsibilities:

- Perform project design and development activities according to customer specifications.
- Wrote a tool which is scraping data from the website and saved data in excel format.
- Wrote a Web application for data sharing among team members.

Tools and Technologies: PostgreSQL, Java 7,8, Maven, Docker, Apache Tomcat, Apache POI, JSP, Servlet, Hibernate

Freighthaul INC <https://www.freighthaul.com/>

Oct-2017 - Jan-2018 - Junior Android Developer (Freelancer)

Customer: Services for shippers and carriers will be available throughout the western United States, with service and coverage expanding organically to the rest of the US and beyond

Project Description: Freighthaul pioneers innovative solutions to improve trust, relationships, and margins for our shippers and carriers. How do we do that? Our online platform and mobile apps allow shippers to connect directly with Freighthaul approved carriers. We carefully vet our carriers and ensure that they fully adhere to our high standards of professionalism and safety.

Team Size: Dev Team: 7 members, 1 UI/UX designer, 1 Project manager.

Project Roles: Developer

Responsibilities: Perform project design and development activities according to customer specifications. Displaying shipments on map, doing payments. Creating Gradle automation tasks for apk building.

Tools and Technologies: PostgreSQL, MySQL, SQLite, Android Studio, Bitbucket, GIT, JIRA, Swagger, Java Android, RxAndroid, Concurrency, Google Map API.

Instigate Mobile

Jun-2017 - Oct-2017 - Junior Software Engineer

Customer: Buy.am

Project Description: Image Processing Removing watermarks from the image.

Team Size: Team with 4 members 4 devs

Project Roles: Developer

Responsibilities:

- Worked on the algorithm for removing the hardcoded watermark.
- Created bash script to automate removing process and saving images in a separate folder.

Tools and Technologies: Python, Bash Script, Git, OpenCV, Linux

EDUCATION

Yerevan State University (<http://www.ysu.am>) 2016-2018

Faculty of Informatics and Applied Mathematics

Informatics: Computer Sciences (Master's degree)

Master's Program: Discrete Mathematics and Theoretical Informatics:

Master's Thesis: "Research on graphs of certain types of Boolean equations system solutions".

Yerevan State University (<http://www.ysu.am>) 2012-2016

Faculty of Informatics and Applied Mathematics

Mathematics: Computer Sciences (Bachelor's degree)

Graduation Thesis: "M. Reisz Method for Solving the Problem of Moments".

Innovative Programmers' Club

IPC Java Course 2017 (February-June)

IPC Android Course 2017 (June-August)

Instigate Training Center 2017(June-October)

Topics` Linux, Ubuntu, Bash, Shell, Python, GIT, VIM, JSON, GIMP

LANGUAGE

- English - B2
- Russian - B2+