

Saravanan Kalimuthu

Senior Software Engineer

Results-oriented software engineer with over 8 years in Java development, focusing on scalable enterprise applications. Experienced in delivering efficient solutions in fast-paced settings and contributing to open-source projects. Aiming to apply full-stack expertise to foster innovation in a dynamic development team.

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[GitHub](#)



[LinkedIn](#)



[PortFolio](#)



Relevant Experience

Sr Software Engineer @PayPal

May 2021 - Present

- Resolved a product gap in webhooks, now used by 10% of merchants.
- Implemented near-real-time analytics, increasing revenue by 0.01%.
- Reduced spam to below 2% with various effective solutions.
- Optimized certain API performance, improving response speed by 1.5x.
- Achieved a 95% on-time completion rate in all the initiatives.
- Reached 70% code coverage along with the Junit 5 upgrade.
- Improved team productivity through various process enhancements.
- Served as Scrum Master for a quarter, achieving a 90% Say-Do ratio.

Software Engineer @Assetpulse, Inc

Oct 2019 - May 2021

- Revitalized a legacy product with Rest API, increasing user engagement by 2%.
- Switched to Bluetooth Low Energy (BLE) from RFID, reducing costs by one-third.
- Enhanced a triangulation algorithm using WebSocket, improving customer conversion rates to 5%.
- Implemented unit and functional tests, achieving 68% code coverage.
- Reduced technical debt by 30 days.

Software Developer @Wellspring Software Labs

Feb 2018 - Sep 2019

- Configurable service locator pattern led to a 10% drop in API designs.
- C4 diagrams helped align stakeholders 25% faster.
- Optimized storage reduced average response time from 1200ms to 700ms.
- Client recognition received for effectively solving a problem during a demo.

Software Engineer @CoreNett Technologies

Jun 2016 - Dec 2017

- Reduced RTB need by 10% with configurable backend systems.
- Improved report performance by 30% using auto-paginated results.

Projects

Utils-Commons in Java

<https://github.com/sarvarunajvm/utils-commons>

- Inspired by "Apache Commons IO."
- Contains utilities for String, Number, Date, Set, List, BLOB, and Zip.

Port-Advancer in NodeJS

<https://github.com/sarvarunajvm/port-advancer>

- Created a user-friendly tool that allows over 60 employees to easily perform port forwarding and reverse proxying for secure internet access within a restricted network.

vue-embed-gist in JavaScript/Vue

<https://github.com/sudhanshu-15/vue-embed-gist/pull/13>

- Contributed to an open-source project that averages 270 downloads per week.
- Npm link: <http://goo.gl/HjKx2j>

Education

MCA @University of Madras 2016 - 2019

Obtained 6.48 CGPA and developed a cloud-based service for secure data storage using double encryption with a safe key.

BCA @Gurunank College 2011 - 2014

Obtained 6.24 CGPA and is a member of the National Honor Society.

Designed a webpage for internal exams.

Tools and technologies.

Back-end:

Java, Spring Boot, Spring Security, Spring REST, JAX-RS, SOAP, WebSockets, Hibernate/JPA, Maven, Gradle, JUnit, Mockito

Front-end:

NodeJs, VueJs, ReactJs, HTML5/CSS3, Vuex, Redux, NPM, Jest, Cypress.

Databases:

Oracle, Postgres, H2, Redis, BigQuery, BigTable.

DevOps & Deployment:

Jenkins, Github Actions, Docker, Google Cloud, AWS, Otel, Micrometer, Splunk, Datadog.

Version Control/Collaboration:

Git, JIRA, Confluence.

Other Tools & Technologies:

OAS 2.0, AMQ/Kafka, OAuth2, JWT, SonarQube.

Skills and Abilities

Data Structures, Algorithms, Problem-Solving, Application Design, SOLID Principles, Design Patterns, OWASP, Microservices, Event-Driven Architecture, Test-Driven Development, Caching, Database Optimization, Collaboration & Teamwork, Effective Communication, Adaptability.

Interests

Technology, Automation, Investments, Swimming, Competitive Gaming, and Engaging in Open Source Projects.