

# SARAVANA KRISHNAN MAGARAJAN

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## SUMMARY

Full-stack software engineer with 5+ years of experience delivering scalable solutions in healthcare, financial services, and utilities. Proficient in Angular, React, Springboot frameworks, and Cloud technologies, dedicated to transforming ideas into powerful solutions. Certified in Google Cloud Engineer Associate Level.

## TECHNICAL SKILLS

**Frontend:** HTML, CSS, JavaScript, TypeScript, React, Angular, React Native, Kendo UI, Tailwind CSS, Bootstrap, Redux

**Backend:** Java, Spring MVC, Springboot, Node.js, Express.js, Python, Django, REST, GraphQL, PostgreSQL, DynamoDB

**Testing & QA:** Jest, Playwright, Junit, Selenium | **Tools & Platforms:** Git, GitHub, DataDog, Pendo, JIRA

**Cloud & Infrastructure:** AWS, Google Cloud Platform, Docker, Kubernetes, Jenkins, GitHub Actions

## EXPERIENCE

**Patton Labs**, Jacksonville, FL

March 2023 - Present

*Software Engineer*

- Modernized a JSP application into an SPA in collaboration with Product Managers and cross-functional teams.
- Implemented 15+ reusable Angular components, reducing code duplication by 70%, and standardized UI/UX.
- Developed and optimized RESTful APIs using Springboot, improving data flow efficiency and minimizing latency.
- Achieved over 85% audit compliance by enhancing application accessibility to meet ADA Level AA standards.
- Created a web extension bot using Playwright to automate authorization, reducing manual effort by 80%.
- Developed and streamlined portal mappings between providers and payers, enabling 98% accurate navigation.
- Utilized the Page Object Model (POM) design pattern and implemented unit tests, boosting reliability.
- Scripted advanced PostgreSQL queries, improving data retrieval efficiency and reducing execution time by 40%.

**Happy Money**, Seattle, WA

August 2021 – January 2023

*Software Engineer*

- Built loan repayment web and mobile applications in React and React Native, utilized by more than 160K users.
- Integrated Apache Kafka with RESTful APIs to facilitate asynchronous communication between microservices.
- Optimized Redux architecture, reducing state retrieval time by 30% and improving application performance.
- Added unit and integration tests in Jest for GraphQL queries and mutations, resulting in 94%-line coverage.
- Won first place in the company's hackathon for app feature design, enhancing the member experience.

**UI Health**, Chicago, IL

March 2020 – June 2021

*Graduate Assistant – Full Stack Developer*

- Managed ENT department web applications in React, Redux, and MySQL, and launched conference web pages.
- Reduced page load times by 22%, increased SEO score, and fixed all accessibility issues using the WAVE tool.
- Collaborated with the product manager to revamp web pages and improve rendering on various devices.

**Aximsoft**, India

December 2018 – July 2019

*Software Engineer*

- Executed CRUD operations, request validations, and standardized error handling for the Springboot application.
- Established an effective error-handling mechanism to address production issues and resolve them promptly.

## EDUCATION

**University of Illinois Chicago**, Chicago, IL

August 2019 - May 2021

*Master of Science in Computer Science*