

# Aishwarya Kandasamy

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## SUMMARY

Software Engineer with 4+ years of experience in backend and full-stack development, specializing in scalable, data-driven systems using Java, Spring Boot, and distributed technologies. Proven ability to ship high-quality, testable code and collaborate cross-functionally in Agile product teams. Skilled in REST APIs, cloud infrastructure, CI/CD, and modern DevOps.

## WORK EXPERIENCE

**Open Avenues** Jun 2025 - Present  
**Software Engineer (Consultant)** Chicago, USA

- Built a production-grade Graph UI library in React and TypeScript to visualize large-scale relational schemas, emphasizing user-centric design and high-performance rendering for complex datasets.
- Developed 10+ reusable components, integrated charting libraries, and converted metadata into dynamic visuals; worked in Agile teams with Git, Jira, and weekly reviews.

**Praxio** Aug 2022 - Jul 2023  
**Software Engineer** Chennai, India

- Developed a backend microservice in Java, J2EE, Spring Boot to calculate task turnaround time (TAT), helping internal teams track how long processes took and improving overall workflow speed.
- Set up Docker and Kubernetes environments for dev, QA, reducing local setup issues and improving consistency across teams.
- Automated AWS infrastructure provisioning using Terraform improving deployment consistency and reducing manual setup.
- Built REST APIs with error-handling and retry logic to make backend services more stable and reliable under load.

**Athenahealth** Oct 2020 - Jul 2022  
**Full-Stack Engineer** Chennai, India

- Led full-stack feature development for a work management platform used by dependency teams, using Node.js on the backend and React.js on the frontend. Improved usability and reduced coordination by introducing timeline views and filters.
- Set up end-to-end CI/CD pipelines using Jenkins and integrated Blue-Green deployment strategies, increasing release success rate by 30% and reducing production downtime by over 90% during major updates.
- Optimized performance of complex analytics queries across PostgreSQL and Snowflake in a multi-tenant SaaS environment.

**Athenahealth** Jan 2020 - Sep 2020  
**Software Engineer Intern** Chennai, India

- Upgraded Node.js version across 10+ microservices, collaborating with 3 backend teams to test compatibility, resolve dependency conflicts, and streamline future upgrades.
- Implemented unit tests using JUnit and Mockito, increasing code coverage from 60% to 85% and reducing regressions.

## PROJECTS

**Plate2Purpose** (Tech Stack: React, Node.js, Express, PostgreSQL, REST API, JWT Auth, Vite, TypeScript, HTML 5, CSS3)

- Led a team of 4 to build a mobile platform connecting food donors with NGOs in real-time, reducing waste and supporting local communities.
- Integrated speech-to-text with Web Speech API, Firebase chat, Google Maps API for smart food listings and optimized pickups.

**Expense Tracker** (Tech Stack: React, Node.js, MongoDB)

- Built a finance tracking app using React, Node.js to monitor income, expenses with real-time updates and interactive charts.
- Implemented modular REST APIs with JWT auth and designed scalable MongoDB schemas for secure, isolated user data.

## SKILLS

**Languages:** Java, Python, C++, C, JavaScript, TypeScript, SQL, C#  
**Frameworks:** Spring Boot, React.js, Redux, Node.js, Express.js, Angular, PHP, Ruby  
**Technical Skills:** Data Structures, Algorithms, Design Patterns, SDLC, Software Design Patterns  
**Technologies:** AWS, Docker, Kubernetes, Git, Gradle, Kafka, Spark, Memcached, Redis, REST APIs, PostgreSQL, Cassandra, SQS

## EDUCATION

**Illinois Institute of Technology, Chicago, USA** CGPA: 3.6/4.0  
Master of Science in Computer Science and Data Science Graduation: April 2025

## CERTIFICATIONS

- AWS Certified Solutions Architect - Associate Dec 2024