

Guhan Santhanam

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Software Engineer with 2+ years' experience in Java, Spring Boot, microservices, RESTful APIs, and cloud, building scalable backend applications with database integration in Agile environments.

EDUCATION

Master of Science in Information Systems, Northeastern University

May 2026

Master of Computer Applications, Vellore Institute of Technology

May 2022

EXPERIENCE

Software Engineer at BNP Paribas Pvt. Ltd.

Feb 2022 – Jul 2024

- Managed and enhanced enterprise applications using Java and Spring Boot, ensuring optimal performance, deploying updates, and supporting CI/CD pipelines for smooth feature delivery.
- Engineered automated regression testing tools, cutting manual QA effort by **40%** and boosting overall deployment efficiency.
- Built a standalone Spring Boot microservice with a **hive-and-drone architecture**, adhering to **SDLC best practices** and using **version control systems** (Git, Bitbucket) to streamline access management, reduce administrator workload by **80%**, and eliminate redundant logins across environments.
- Partnered with cross-functional teams in an Agile setup to deliver full-stack features (Java, Spring Boot, Angular, REST APIs), achieving faster production releases with near-zero downtime.
- Awarded **Rising Star** recognition for exceptional performance and contributions to enterprise application development and team productivity.

SKILLS

Programming Languages: Java, JavaScript, TypeScript, Go (Golang), HTML, CSS, Python, C++

Web Frameworks: React Native, Node.js, Spring Boot, Express.js, Angular, Redux, GraphQL, REST

Databases: MySQL, PostgreSQL, MongoDB, Redis, DynamoDB, Oracle

Cloud & DevOps: AWS, GCP, Azure, Docker, Kubernetes, Unix, GitHub Actions, Terraform, Linux, CI/CD

Testing & Tools: JUnit, Mockito, Jest, IntelliJ, Calypso, Git, GitLab, Bitbucket, Jira, Postman, SonarQube

ACADEMIC PROJECTS & ACHIEVEMENTS

Cloud-Native Enterprise Application with Automated Infrastructure

- Built a scalable, multi-tenant cloud platform on **AWS** and **GCP** with Spring Boot, leveraging EC2 autoscaling, RDS, CloudWatch metrics, and automating VM/database provisioning using Terraform, Packer, and GitHub Actions CI/CD.
- Implemented serverless, event-driven architecture with AWS Lambda, GCP Cloud Functions, Pub/Sub, configured a custom domain with Route 53, and achieved zero-downtime deployments.

MGEN 2025 Hackathon – Northeastern University (Winner)

- Developed a secure ReactJS and ExpressJS platform enabling MSLs to train high-stakes conversations, implementing session-based authentication and robust user access control to protect sensitive data, while optimizing interactive simulations to enhance training efficiency and engagement.

SAGA - Personal Journal (Android App)

- Developed Saga – the Space to Unveil, an Android application for recording daily journal entries using Java, Kotlin, Android Studio, and Firebase for real-time database synchronization and storage, enhancing security with user authentication for reliable multi-user journaling.