Guhan Santhanam

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EDUCATION

Master of Science in Information Systems, **Northeastern University**	May 2026
Master of Computer Applications, **Vellore Institute of Technology, India**	May 2022

SKILLS

Programming Languages: Java, JavaScript, TypeScript, 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, Jenkins, GitHub Actions, Terraform, Linux, Bash
Testing & Tools: JUnit, Mockito, Jest, IntelliJ, Calypso, Git, GitHub, Bitbucket, Jira, Postman, SonarQube

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EXPERIENCE

Software Engineer at BNP Paribas Pvt ltd – Chennai, India   Feb 2022 – Jul 2024

- Managed and enhanced the Calypso application to ensure optimal performance and alignment with organizational requirements, contributing to the successful delivery and implementation of new features.
- Developed tools to support regression testing, significantly reducing the team's workload and enhancing overall efficiency by 40% in application operations.
- Built a standalone Spring Boot microservice with a hive-and-drone architecture to streamline access management, reducing administrator workload by 80% and eliminating redundant logins across environments.
- Collaborated with cross-functional teams to deliver new features using Java, Spring Boot, Angular, REST APIs, SQL, and Git, enabling faster production rollouts with minimal downtime.

ACADEMIC PROJECTS & ACHIEVEMENTS

Cloud-Native Enterprise Application *with Automated Infrastructure*

- Developed scalable multi-tenant platform using Spring Boot with Infrastructure as Code using Terraform on GCP, automating provisioning of VMs, Cloud SQL instances, and VPC networks with comprehensive CI/CD pipeline
- Implemented serverless architecture using Google Cloud Functions and Pub/Sub for event-driven automation, designing API driven proof of concepts with automated testing and zero-downtime deployments

NUHACKS 2024 *– Lexis Nexis (Runner up)*

- Optimized large-scale datasets using LexisNexis HPCC Systems, ECL language, SQL, and data processing algorithms, demonstrating strong skills in data handling, ETL processes, and performance optimization in a competitive hackathon environment.

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, authentication, and storage.