Ganesan S

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My Impact & Expertise

- **Backend Engineering & Data Expertise**: Specialized in building scalable microservices, RESTful APIs, and optimizing relational/NoSQL databases with a strong focus on performance and efficiency.
- **Cloud & Modernization Leadership**: Successfully modernized legacy systems with cloud migrations and implemented cutting-edge architectures using Java, Django, and NodeJS.

Technical Skills

Langauges: Java, Python, TypeScript, JavaScript (ES6+), SQL, PL/SQL, C#
Frameworks: Spring Boot, Hibernate, Angular (added for Role 4), ReactJS, Node.js, Django, REST/GraphQL APIs
Cloud: AWS (Lambda, RDS, DynamoDB, S3), Azure (SQL Server, VMs, Blob Storage), OpenShift
Databases: SQL Server, MongoDB, PostgreSQL, Oracle, Redis
Tools & Concepts: Git, Docker, Apache Kafka, RabbitMQ, Splunk, WCF, Microservices, OOP, Design Patterns, Agile, SDLC, HIPAA Compliance, WebAPI

Professional Experience

Maxil Technology Solutions — May, 2024 — Present
Software Engineer — *Oak Brook, IL*
Product Description: Job Board for contract IT roles

- Clickstream Analytics: **Built a Java/AWS microservice with Apache Kafka**, boosting job views by 15%.
- Performance Optimization: **Reduced TTFB by 30% via DynamoDB caching** and SQL stored procedures.

BestRx Pharmacy Software — Aug, 2023 — Apr, 2024
Full Stack Engineer — *Oak Brook, IL*
Product Description: Pharmacy Management Suite (Point Of Sale, Inventory, Medical Billing)

- **Pharmacy Management Suite**: Led development of a **Java Spring Boot API** for prescription tracking, reducing transfer errors by 25% and ensuring HIPAA compliance.
- Insurance Claims Automation: **Accelerated reimbursements by 40% using Java thread pooling** and SQL Server optimization.
- **Legacy Modernization**: Migrated **Oracle/SQL Server 2005** to Azure SQL 2017, improving **scalability by 50%.**
- Standardized product troubleshooting process by implementing **structured logging with correlation IDs using SLF4J and Logback.**

Autoreview.ai — May, 2022 – Dec, 2022
Software Engineer Intern, AI/ML — *Gainesville, FL*
Product Description: Document Manager for Construction Companies

- GIS Flood Analysis: Engineered real-time flood-risk mapping using PostGIS and Google Maps API.
- NLP Regulatory Reports: Achieved 92% accuracy with TensorFlow and Redis VectorDB.
- Streamlined product subscription handling through a **RESTful microservice** that securely generates license keys using AES encryption, and manage their lifecycle transitions using **Django and MongoDB.**

Infosys — Jul, 2018 – Jul, 2021
Software Engineer — *Chennai, India*
Product Description: Information System for Subsidized Housing

- Built multiple features and enhanced system reliability for property and contract management modules using **JavaFX and Java 8.**
- Created 22 Power BI report templates with SQL Server Integration and resolved issues in 96 SSRS reports for reliable **data insights.**
- Migrated complex datasets from Oracle and MS SQL Server 2005 to Azure-hosted SQL Server 2017, leveraging **cloud infrastructure to enhance database performance** and optimize scalability.

Education

University of Florida — Aug, 2021 – May, 2023
Master's of Science in Computer Science — *Gainesville, Florida*