Ganesan Santhanam

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KEY ACCOMPLISHMENTS

- **Boosted user engagement by 30%** by integrating AI-powered microservices with the core document management SaaS platform, leveraging **Spring Boot** and **Kafka** for seamless real-time data exchange.

- **Improved query performance by 40%** and reduced database load by 50% through **asynchronous processing** and **caching strategies** in **Java**, scaling SQL Server for high-performance applications.

- **Enhanced user experience** by leading the modernization of SaaS product screens, focusing on **microservices architecture** and **cloud-native deployment** in the **healthcare industry**.

WORK EXPERIENCE

Maxil Technology Solutions
Software Engineer
May 2024 — Present
Oak Brook, IL

- Developed and optimized a cloud-native employer dashboard using **Spring Boot** and **MongoDB**, integrated with **OpenAI APIs**, boosting user engagement by 75% through personalized recommendations and skill-based assessments.
- Improved data analysis accuracy by 50% by optimizing complex SQL queries and creating high-performance Java services, enhancing system performance and cost efficiency.

BestRx Pharmacy Software
Software Engineer
Aug 2023 — Apr 2024
Oak Brook, IL

- Designed and built an automated insurance claims processing system using **Java Spring Boot** and REST APIs, reducing manual intervention by 50% and increasing claims accuracy by 35%.
- Enhanced the pharmacy transfer request system with **Angular**, **Java**, and **SQL**, achieving a 40% improvement in prescription handling time.
- Contributed to building a multi-threaded backend using **Java** for system reporting, increasing report generation speed by 50%.

Autoreview.ai
Software Engineer Intern
May 2022 – Dec 2022
Gainesville, Florida

- Developed a document versioning system with **Spring Boot** and **Azure Blob Storage**, reducing versioning errors by 50% and optimizing internal workflows for scalability.
- Achieved a 94% improvement in keyword extraction accuracy while ensuring regulatory compliance by developing an API using Google Vision, TensorFlow R-CNN, and GloVe NLP.

Infosys
Senior Software Engineer
July 2018 – July 2021
Chennai, India

- Re-architected a critical system using **Spring Boot** and **DDD** principles, cutting response times by 40% and reducing endpoint testing by 50%.
- Migrated over 100 reports from **SQL Server 2005** to **SQL Server 2017** and **Power BI**, streamlining analytics and improving decision-making efficiency.

TECHNICAL SKILLS

Languages :	Java 11, Python 3.x, Node.js, JavaScript, TypeScript
Framework:	Spring Boot 2.x, React, Angular, Apache Kafka, Web API 2, Hibernate
Devops / CI-CD:	Docker, Kubernetes, AWS, Azure, Jenkins, Terraform, GitHub Actions
Databases / Message Queues:	SQL Server, MongoDB, PostgreSQL, Oracle, Redis, NoSQL, Graph databases
Other Skills:	Git, Twilio, Tableau, SDLC, Data Visualization, REST, Design Patterns, Debugging,

Troubleshooting, On-Call Experience, User experience principles, human-centered design

EDUCATION

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