GANESAN SANTHANAM

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with 5+ years of experience building scalable, cloud-native applications using Agile methodologies, Microservices, and J2EE frameworks. Proficient in Java, JavaScript, and Python with hands-on expertise in AWS, Apache Kafka, Docker, and CI/CD tools like Jenkins and Maven.

EDUCATION

University of Florida – Master's in Computer Science   GPA: 3.61/4.00   *Aug 2021 – May 2023*
SRM University, India – Bachelor's in Computer Science   CGPA: 8.844/10   *July 2014 – May 2018*

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript (ES6+), TypeScript, C#
Backend Development: J2EE, Spring, Hibernate, Node.js, React, Angular JS, Micro Frontend Architecture
Cloud & DevOps: AWS (EC2, S3, Lambda, RDS, CloudWatch), Docker, Jenkins, Maven, Splunk, Git
Databases & Data Tools: Oracle, PostgreSQL, SQL Server, MongoDB, DynamoDB, Agile SDLC, Apache Kafka, REST,
Microservices, Linux/Unix, Cucumber, JUnit, System Integration Testing
Frontend Development: HTML5, CSS3, Bootstrap, jQuery, JSON

WORK EXPERIENCE

Maxil Technology Solutions | Full-Time | *Software Engineer* | Remote   *May 2024 – April 2024*
Product Description: Job Board for contract IT roles

- Developed a **job recommendation engine** using **Java (Spring)** and **PostgreSQL**, leveraging Euclidean scoring for job matching.
- Implemented **Apache Kafka** for real-time event processing in a **Microservices** architecture hosted on **AWS EC2**.
- Enhanced system performance by optimizing SQL queries and indexing in **Oracle** and **Postgres DB**.

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

- Engineered a **RESTful API** using **Spring Boot** and **Hibernate** for prescription tracking, improving HIPAA compliance.
- Automated insurance claims processing using **Java** and **Agile SDLC**, reducing reimbursement delays by 30%.
- Integrated **Medi-Span® drug safety data** into POS workflows via a .NET WPF service, reducing prescription errors by 20%.
- Implemented **structured logging with correlation IDs** (Serilog) for streamlined troubleshooting and audit trails.

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

- Built a **microservice** with **Python** and **React** for real-time GIS data processing, integrating **Postgres DB** and **Google Maps APIs**.
- Engineered a **NLP-powered regulatory reporting system** with **TensorFlow (GloVe)** and Redis VectorDB, achieving 92% accuracy in compliance insights.
- Designed a **secure license key management microservice** using Django, MongoDB, and AES encryption for SaaS subscription lifecycle handling.

Infosys | Full-Time | *Senior Software Engineer* | Chennai, India   *Jul 2018 – Jul 2021*
Product Description: Information System for Subsidized Housing Projects

- Migrated legacy Oracle/MS SQL databases to **Azure SQL Server**, improving scalability and reducing downtime by 40%.
- Created 22 **Power BI** report templates with **SQL Server Integration**, and resolved issues in 96 SSRS reports for reliable data insights.
- Migrated complex on-premises databases in Oracle and MS SQL Server 2005 to Azure-hosted SQL Server 2017.