

# Vineela Sridhara, Senior Software Engineer

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## LINKS

[LinkedIn](#), [Personal Website](#)

## PROFILE

Dynamic Senior Software Engineer with over 8 years of experience in crafting enterprise-scale solutions that significantly enhance system performance and user satisfaction. Proficient in leveraging full-stack technologies, including Java, Spring Boot, and Angular, alongside cloud services like Microsoft Azure, to drive innovative and efficient outcomes. Proven track record in streamlining operations and automating processes, resulting in remarkable reductions in deployment times and operational errors. Dedicated to fostering team collaboration and mentoring, ensuring the delivery of high-quality software solutions that effectively address business needs and challenges.

## EMPLOYMENT HISTORY

Jul 2019 — Jan 2025

Senior Software Engineer, Optum - United Health Group

Eden Prairie, Minnesota

### Project 1 : Medicare and Retirement Acquisition:

- Optimizing scalability challenges with enterprise platforms serving 100K+ users, tasked with improving system performance and user experience. Implemented solutions using **Angular, Spring Boot, Kafka, GraphQL, multi-database systems Cosmos DB, Mysql, Redis caching and AEM integration**. Maintained 40% improved performance and 95% user satisfaction across 8+ employer groups.
- Modernized **Azure cloud infrastructure** using **Kubernetes, Terraform**, and **APIM**, reducing deployment time by 60%. Engineered Data Factory pipelines automating 50K+ daily transactions with 99.9% reliability. Enhanced monitoring through **Dynatrace** and **Splunk**, cutting incident response time by 70%.
- Addressing security vulnerabilities and development inefficiencies, required to establish HIPAA-compliant processes and accelerate development.
- Resolved **CodeQL** vulnerabilities, and integrated **Github Copilot AI** pair programming. Delivered 40% faster development cycles, 30% reduced code review time while maintaining security standards.

### Project 2 : Contract Lifecycle Management:

- Architected and implemented an event-driven data pipeline using **Spring Cloud Streams** and **Apache Kafka** to automate the ingestion, validation, and processing of healthcare facility contracts, resulting in a 70% reduction in manual data entry requirements.
- Developed a responsive, user-friendly Contract Admin dashboard in **React** and **Next.js** that provided real-time contract status monitoring, error reporting, and reprocessing capabilities, enabling business users to independently resolve contract issues without IT intervention.
- Optimized containerized microservices deployment in **OpenShift** through automated CI/CD pipelines, ensuring high availability and scalability while managing the successful onboarding of over 1,000 healthcare facilities.
- Established a robust error handling and retry mechanism within **Spring Boot** applications that automatically detected and resolved common contract processing issues, reducing the average time to resolution by 60% and improving overall system reliability.

Jun 2018 — Jun 2019

Senior Software Developer, Medica Health Plans

Minneapolis, Minnesota

- Engineered automated data integration pipelines for healthcare vendor data onboarding into CATCUS, reducing processing time by 80% and improving accuracy through stakeholder collaboration.
- Developed full-stack healthcare applications using **Spring Boot** microservices, **React**, and **Oracle** stored procedures for optimized data management. Implemented DevOps practices using **Jenkins**, **Apache Tomcat**, **WebSphere** and **Bitbucket** with 80% code coverage using Spock framework, reducing production defects by 30%.

May 2017 — Jun 2018

Full Stack Developer, UCare

Minnetonka, Minnesota

- Built microservices architecture using **Spring Boot REST** for Benefits Portal, improving system scalability and enabling independent service updates.
- Developed RESTful APIs and stored procedures using **Oracle PL/SQL** and Spring Boot for user authentication and benefits enrollment functionalities.
- Enhanced UI responsiveness using **JavaScript** and **jQuery**, implementing modern design patterns resulting in 30% reduction in support tickets. Implemented best practices in Oracle PL/SQL, JavaScript/jQuery, and Spring Boot microservices for maintainable and scalable software delivery.

Sep 2015 — May 2016

Java Developer, Virgosys Software Private Limited

India

- Led architectural design following Iterative Development model, implementing **Spring MVC** presentation layer with **JSP, JSTL, and AJAX**, while building SOAP web services and integrating **JMS** messaging using Active MQ.
- Established robust development practices using Maven for builds, JUnit for testing, log4j for application logging, and SVN for version control, resulting in streamlined deployment process and improved code quality.

EDUCATION

Aug 2016 — Dec 2017

Masters in Computer Science, University of Illinois at Springfield

May 2011 — Apr 2015

Bachelor of Technology, Jyothismathi Institute of Technology and Sciences

SKILLS

Java	Jenkins
Python	GraphQL
Spring-boot	Kubernetes
Spring Cloud	Docker
Spring AI	OpenShift
Angular	Redis
React	Dynatrace
Next.js	Splunk
Express.js	Terraform
SQL	Machine Learning & AI
MongoDB	GenAI
Microsoft Azure	RAG(Retrieval Augmented Generation)
Agile Methodology	LLM
Apache Kafka	