

AVINASH REDDY

Full-stack Developer

☎ (913)-207-9939 ✉ avinash@jobstechmails.com  LinkedIn  GitHub  Portfolio

SUMMARY

Full Stack Developer with 3+ years' experience, leveraging Java, Spring Boot, and microservices (Akka Streams, JMS, Kafka) alongside modern front-end frameworks (React, TypeScript, MERN) to build scalable, high-performance web applications. Generated over \$15M in revenue by delivering innovative customer features and streamlining backend processes, while maintaining 99% uptime and boosting data accessibility by 30% through efficient CI/CD automation, AWS cloud management (ECS, RDS, Lambda), and Kubernetes/Docker orchestration.

SKILLS

Programming Languages: Java, Python, SQL, JavaScript, TypeScript.

Front-End: HTML, CSS, React.js, Vue.js, Angular, Next.js, React Native, Three.js, Tailwind CSS, jQuery, AJAX, Bootstrap, Material-UI, SASS, Redux

Back-End: Spring Boot, Spring MVC, Spring Security, Hibernate, JDBC, Node.js, Express.js, RESTful API, GraphQL, WebSockets

Architecture & Security: Microservices Architecture, MVC, REST API, JWT, SSL Certificates.

Databases: MongoDB, PostgreSQL, MySQL, Redis, Cassandra.

Cloud & DevOps: AWS (EC2, S3, EBS, Lambda, RDS), Microsoft Azure, Docker, Kubernetes, Terraform, Google Firebase, Kafka, RabbitMQ.

Build Tools & Version Control: Maven, Git, GitHub, GitLab

Testing & IDE Tools: Cypress, Selenium, Jest, JUnit, Mockito, Eclipse, Visual Studio, IntelliJ

Web & Application Servers: Apache Tomcat, WebSphere Application Server, BEA WebLogic

Methodologies: SDLC, Agile, Waterfall

EDUCATION

Masters in Computer Science | Fitchburg State University

- Data Structures, Algorithms, web development, Algorithm Design, object-oriented design

WORK EXPERIENCE

Full Stack Developer | Cisco, Massachusetts

May 2024 – Current

- Engineered responsive, modular user interfaces using **React** and **TypeScript**, seamlessly integrating with backend services to enhance user engagement and streamline workflow processes.
- Delivered customer features utilizing core **Java**, **Spring Boot**, and **Java 8+** enhancements (**Lambda**, **Stream API**) to generate over **\$15M** in revenue, resolve **20+** customer triages, and fix **15+** critical bugs.
- Architected high-volume **microservices** using **Java 9** and **Akka Streams**, achieving reliability while processing **5M+** daily meetings.
- Constructed RESTful web services with **Spring Boot** and **Jersey (JAX-RS)** to produce both **XML** and **JSON**, thereby increasing data accessibility by **30%**.
- Optimized database performance via **Hibernate ORM** and **JPA** to generate custom reports, **15%** reduction in query latency.
- Orchestrated the migration of **CI/CD** pipelines from **Jenkins** to **Kubernetes**, enhancing pipeline robustness, improving deployment agility and reducing infrastructure costs by **25%**.
- Streamlined asynchronous messaging systems via **JMS**, **Kafka**, and **Akka**, elevating real-time data processing capabilities by **20%**.
- Directed on-call and SRE responsibilities using **Docker**, **Jenkins**, and **AWS CloudFormation**, ensuring uptime through effective deployment and monitoring.
- Collaborated within **Agile SCRUM** teams driving sprint planning and daily standups to boost overall team productivity.
- Configured and managed cloud infrastructure on **AWS**, using services like **ECS**, **RDS**, and **Lambda** to deploy containerized microservices, implementing **CI/CD pipelines** with **GitHub Actions** that automated testing and deployment processes, reducing release cycles by **35%**.

Full Stack Developer | Vivma Software Inc, India

January 2021 – July 2023

- Developed an Electronic Health Record (EHR) system for a healthcare client using **MERN stack (MongoDB, Express.js, React.js, Node.js)** with **Redux**, integrated **Java** based **microservices** for patient data processing, implementing **Jest** testing and **AWS** deployment automation, resulting in a faster data access and **95%** positive user feedback through iterative development based on healthcare staff input.
- Designed a scalable patient portal using **TypeScript**, **React.js**, and **GraphQL**, fused with **AWS services (EC2, S3, RDS)** and **WebSocket** for real-time features, achieving increased patient engagement and **99.9%** uptime through **Docker** containerization.
- Architected **PostgreSQL** database schemas and deployed **RESTful APIs** using **Node.js/Express.js**, integrating **Redis** caching for optimized performance, while ensuring secure data handling through end-to-end testing with **Cypress**, reducing system-related tickets.
- Led healthcare application development using **React.js**, **Bootstrap**, and **Java** with **Spring MVC**, implementing **Spring Boot** backend services and **Spring Security** for authentication, established **CI/CD** pipelines with **GitHub** to accelerate feature deployment, and enhanced user experience through automated appointment scheduling and seamless telemedicine integration.
- Built cross-platform solutions using **React Native** and **Vue.js**, integrating payment gateways and **Firebase** real-time database, while collaborating with cross-functional teams in an Agile environment to deliver high-performance applications.

PROJECTS

Ride Booking Application | MERN stack

- Developed ride-booking platform integrating real-time geolocation tracking and driver-rider matching via **Google Maps API** and **WebSockets** to reduce rider wait time.
- Engineered backend using **Node.js**, **Express**, and **MongoDB**, operationalized with a **microservices** architecture on **AWS** using **Docker** and **Kubernetes**, ensuring secure in-app payments uptime.

Backend Application Development- Spring Boot/Rest Api's and Amazon Cloud Services

- Rolled out application using **CircleCi** for continuous code deployment pipeline reducing manual work by **50%**.
- Implemented infrastructure as service (IaaS) with **AWS CLI** and **Cloud Formation**-VPC, Subnets, Internet Gateway
- Executed application on **Centos** with **AWS AMI** and Oversaw hosted zones using **Route53**, stored data on **S3 RDS**
- Incorporated services like **Dynamo DB**, **AWS RDS**, **AWS Lambda (FaaS)**, **CloudWatch**, **SNS**, **SES**, generated certificate