VARSHA CHANDRAHASAREDDY MULANGI

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Professional Summary

Full-Stack Developer with 4+ years of experience designing and building **secure**, **scalable**, and **high-performance enterprise applications** using **Java**, **Python**, **C#**, **Node.js**, **React.js**, and **Spring Boot**. Skilled in **API design**, **cloud deployment** (**AWS**, **Azure**), and **DevOps automation** with **Docker**, **Kubernetes**, **Terraform**, and **CI/CD pipelines**. Proven track record of delivering **robust, production-grade solutions** across **healthcare**, **finance**, and **academic** domains.

Experience

Molina Healthcare - Software Engineer | USA | Sep 2025 – Present
- **Developing secure, HIPAA-compliant microservices** using **Python (FastAPI)** and **Java (Spring Boot)** to handle **22K+ daily healthcare transactions**, ensuring full audit traceability and data protection across patient and claims systems.
- **Deploying cloud-native analytics solutions** on **AWS Lambda, Kubernetes, and Docker**, integrating **FHIR and HL7 APIs** to enable real-time interoperability and streamline reconciliation across clinical and payer networks.
- **Enhancing CI/CD and observability frameworks** with **Jenkins, GitHub Actions, and Prometheus**, improving release velocity, reliability, and monitoring of mission-critical patient-care applications.

Oregon State University - Academic Technology Customer Service | USA | Apr 2024 – Jun 2025
- **Engineered** simulation models in **Java** and **Node.js** to evaluate **HCI prototypes** under high concurrency (**100–500 users**), contributing to the approval and funding of **2 production-ready academic tools**.
- **Developed** a **real-time engagement analytics system** using **Apache Kafka**, processing **10K+ LMS logs weekly**, improving **insight accuracy**, and reducing **data pipeline latency** to **sub-second speeds**.
- **Orchestrated cloud-native deployments** with **Kubernetes** and **AWS**, enhancing **Next.js** dashboard performance through **SSR/SSG optimization** and reducing **lab setup time** by several hours per cycle.

Accenture - Associate Software Engineer | India | Oct 2021 – Aug 2023
- **Architected** enterprise-grade **booking** and **portfolio management platforms** using **Python (Django)**, **Java (Spring Boot)**, and **React.js**, processing **600K+ daily transactions** with **30% uptime** across **finance** and **healthcare** domains.
- **Developed** high-throughput **REST** and **GraphQL APIs** for listings, payments, and transaction workflows, enhancing interoperability and saving **30+ developer hours per sprint**.
- **Integrated C#** and **Python microservices** via **RESTful communication**, achieving seamless synchronization between **financial analytics** and **customer management systems**.
- **Deployed serverless solutions** on **AWS (S3, Lambda, CloudFront)** with **edge caching**, optimizing content delivery and cutting page load time from **2.5s to under 1s** globally.
- **Automated CI/CD pipelines** using **Docker**, **Terraform**, and **Azure Kubernetes Service (AKS)**, ensuring reproducible infrastructure and reducing **MTTR by 42 minutes per incident**.

TATA Group - Software Developer | India | July 2020 – Aug 2021
- **Architected** real-time **logistics and payment analytics dashboards** using **Angular**, **Flask APIs**, and **PostgreSQL**, providing end-to-end visibility of enterprise transactions across departments.
- **Automated** shipment tracking and workflow processes with **Python scripts** and **backend schedulers**, improving transparency and eliminating manual data handling in logistics operations.
- **Optimized** API performance with **schema normalization**, **query tuning**, and **Redis caching**, cutting response latency from **2.1s to 800ms** and improving throughput.
- **Deployed** backend **microservices** on **AWS ECS** using **CloudFormation templates**, standardizing rollouts and maintaining **99.9% system uptime** across distributed environments.

Technical Skills

- **Programming Languages:** Java, C#, Python, JavaScript (ES6+), TypeScript, HTML5, CSS3
- **Frontend Frameworks & Libraries:** React.js, Angular, Redux, Next.js, Bootstrap, GraphQL
- **Backend Frameworks & Libraries:** Node.js, Express.js, Spring Boot, Django, ASP.NET Core Web API, Apache Kafka, JUnit, RESTful APIs, SOAP, Postman, Swagger UI
- **Database & Cloud Storage:** MySQL, PostgreSQL, MongoDB, Oracle, Redis, Firebase, Azure SQL Database, AWS RDS
- **Cloud & DevOps:** AWS (EC2, S3, Lambda), Azure, Docker, Kubernetes, Jenkins, GitHub Actions, Azure DevOps, CI/CD Pipelines, Terraform
- **Version Control:** Git, GitHub, Bitbucket, Azure DevOps
- **Additional:** Agile/Scrum methodologies, WebSockets, JWT/OAuth 2.0, unit testing, and performance optimization

Education

Oregon State University, Corvallis, OR | Master of Science (MS) in Computer Science | Aug 2023 – May 2025
Visvesvaraya Technological University, India | BE in Computer Science | Aug 2017 – Jul 2021