VENKATA SAI KRISHNA GADE

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Summary

- **5+ years of experience as a Java Full Stack Developer** with a strong background in designing, building, and deploying scalable web applications.
- Currently leading the development of AI-integrated enterprise systems at Verizon Wireless Systems, delivering both backend and frontend features.
- Proficient in building RESTful APIs using Spring Boot and integrating ML models via Python (FastAPI) and AWS SageMaker.
- Hands-on expertise in Angular and React.js to create interactive, user-centric interfaces.
- Skilled in microservices architecture, containerization (Docker), and orchestration (Kubernetes) within AWS cloud environments.
- Implemented Kafka-based real-time streaming systems to support fraud detection and dynamic content delivery.
- Collaborated with data scientists to productionize NLP and recommendation models using Hugging Face and Scikit-learn.
- Built robust CI/CD pipelines using Jenkins and GitHub Actions, improving release efficiency.
- Experienced with PostgreSQL and MongoDB for data persistence in both transactional and analytics-driven use cases.
- Regularly contribute to cross-functional teams in Agile environments, translating business needs into technical solutions.
- Maintain a strong focus on performance tuning, API security, and AI observability using Prometheus and Grafana.
- Known for bridging traditional full stack development with intelligent automation to drive innovative product features.

Technical Skills

- **Languages:** Java, Python, JavaScript, TypeScript, SQL, HTML5, CSS3
- **Backend:** Spring Boot, Spring MVC, Hibernate, RESTful APIs
- **Frontend:** Angular 10+, React.js, Bootstrap, AJAX, JSON
- **Databases:** PostgreSQL, MySQL, MongoDB, Oracle, Redis
- **AI/ML Tools:** TensorFlow, Scikit-learn, Hugging Face Transformers, Pandas, NumPy, Matplotlib, AWS SageMaker, FastAPI
- **Cloud & DevOps:** AWS (EC2, S3, Lambda, API Gateway), Jenkins, Docker, Kubernetes, GitHub Actions, Terraform
- **Streaming & Pipelines:** Apache Kafka, Apache Spark, Airflow
- **Testing:** JUnit, Mockito, Selenium, REST Assured
- **Monitoring:** Prometheus, Grafana
- **Others:** Git, GitHub, GitLab, Swagger, Postman, Jira, Confluence

Professional Experience

Liberty Mutual Finance   **Jan 2025 – Present**
Full-Stack Developer

- Developed scalable REST APIs using Spring Boot and integrated Python-based ML services for customer behavior insights.
- Designed and deployed microservices on AWS, integrating services with Lambda, S3, and API Gateway.
- Built dynamic dashboards in React.js, powered by real-time predictions from deployed NLP models.
- Led the integration of Hugging Face NLP models for document classification into the Java backend using FastAPI wrappers.
- Created and maintained CI/CD pipelines using Jenkins and GitHub Actions, ensuring automated deployments for both Java and ML workloads.
- Streamed events through Apache Kafka to enable real-time fraud detection and user analytics.
- Coordinated with DevOps and Data Science teams to containerize ML pipelines and deploy them using Kubernetes.
- Tuned SQL queries in PostgreSQL and optimized schema design for high-volume read/write operations.
- Conducted code reviews, performed unit testing (JUnit, Mockito), and contributed to frontend API integration.
- Secured application endpoints using OAuth2 and AWS IAM, aligning with best practices in cloud security.
- Improved model observability through logging, Prometheus metrics, and alerting in Grafana.

Coforge   **Jan 2022 – Oct 2023**
Associate Engineer (**Full-Stack Developer)**

- Developed enterprise-grade APIs using Spring Boot and integrated with Angular-based frontend applications.
- Designed RESTful microservices to support e-commerce and user engagement platforms.
- Built user interfaces in Angular 9 and implemented dynamic forms and data visualization components.
- Supported migration of backend systems to AWS cloud, leveraging EC2, RDS, and S3.
- Assisted in integrating Scikit-learn-based predictive scoring models via REST for customer segmentation.
- Participated in Dockerizing services and deploying them on Kubernetes for scaling and failover.
- Worked with Jenkins to automate testing and deployment pipelines.
- Optimized backend logic and improved data access patterns in MySQL.
- Conducted extensive API testing using Postman and REST Assured.
- Wrote OpenAPI (Swagger) documentation for internal and partner teams.
- Supported knowledge transfer and documentation for junior developers and QA teams.
- Collaborated with QA teams to implement test automation strategies, reducing release cycle time by 20%.

Creative Newtech Ltd   **Jan 2020 – Dec 2021**
Full-Stack Developer

- Contributed to development of a logistics management platform, implementing microservices using Java and Spring Boot.
- Created frontend modules in React.js that dynamically updated shipment data and tracking views using REST APIs.
- Integrated ML-driven route optimization features using FastAPI and Scikit-learn, improving delivery efficiency.
- Deployed applications on AWS ECS and used CloudWatch for performance monitoring and troubleshooting.
- Implemented containerized environments with Docker for local development, testing, and staging pipelines.
- Utilized Jenkins for automated build, test, and deployment workflows, reducing regression bugs by 30%.
- Connected PostgreSQL and MongoDB databases for transactional and NoSQL operations.
- Created Swagger documentation and API contracts for frontend-backend integration.
- Led standups and contributed to sprint planning in Agile ceremonies.
- Used Prometheus and Grafana to monitor service uptime, latency, and anomaly detection.

Education

- **Master's degree, Computer Science**
  Atlantis University
- **Bachelor of Technology (Mechanical Engineering)**
  SRKR Engineering College

Personal Projects

- **DevTinder – Developer Social Networking Platform (Tools Used: MERN Stack)**
  Built a full-stack social networking platform to connect developers globally.
  Designed dynamic UI with React.js and Redux, increasing user engagement by 25%.
  Secured the platform with JWT authentication and RBAC controls.
  Optimized APIs and backend performance, reducing latency by 20%.