Sampath Garimella

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SUMMARY

Full Stack Developer with 4+ years of experience delivering scalable, secure, cloud-native applications using **React**, **Next.js**, **Django**, **Node.js**, **AWS**, and **Azure**. Proficient in building and maintaining highly available microservices, integrating AI-powered features into user-facing workflows, and delivering high-quality, maintainable, testable code. Skilled in Agile methodologies, CI/CD, and collaborative cross-functional development environments, with proven ability to own the full development lifecycle and rapidly adapt to new technologies including .NET and Azure ecosystems. Experience integrating applications with cloud-managed distributed database platforms to deliver secure, scalable data solutions.

WORK EXPERIENCE

Mastery Logistics Systems - Atlanta, GA   Oct 2024 – Present
Full Stack Developer

Key Projects: Logistics Driver Mobile App, Carrier Operations Dashboard.

- Led the design and development of customer-facing web applications with React and Next.js, improving user experience and scalability across platforms.
- Implemented secure backend APIs using Django and Node.js, integrating GraphQL and REST endpoints to serve production traffic.
- Modernized microservices architecture for critical customer workflows, ensuring high scalability and fault tolerance aligned with enterprise-grade standards.
- Collaborated on end-to-end test automation pipelines within an Agile team, boosting deployment confidence and maintaining high code quality.
- Enhanced customer-facing web applications using React, Next.js, and Vue.js, expanding support for diverse frontend frameworks.
- Integrated robust SQL database schema designs to handle transactional and analytical workloads with minimal latency.
- Participated in cross-functional code reviews, promoting maintainable and readable code practices across React and backend services.
- Integrated ML-powered route optimization features in collaboration with data science teams, improving operational efficiency by 25%.
- Configured AWS services including EC2, Lambda, RDS, and S3 to ensure reliable, scalable cloud infrastructure, applying best practices for security and performance.
- Built containerized deployments with Docker, and collaborated on Kubernetes-based orchestration to manage scaling and fault tolerance.
- Advocated for engineering best practices, contributed to defining the technical roadmap, and documented API standards to support cross-functional onboarding.

UPMC - Pittsburgh, PA   Dec 2023 – Sep 2024
Full Stack Developer

Key Projects: Health Data Sync System, Patient Reporting Module.

- Designed a HIPAA-compliant health data platform with Django REST Framework, handling secure data exchange and complex reporting requirements.
- Developed scalable, customer-facing reporting modules using Next.js and React, enhancing accessibility and usability for healthcare providers.
- Collaborated in a cross-functional Agile team to deliver secure, highly available microservices in a HIPAA-regulated environment.
- Integrated RESTful APIs with robust input validation and error handling, maintaining production stability and user trust.
- Optimized SQL data access patterns to improve performance and reliability in patient data pipelines.
- Led initiative to improve legacy code readability and testability, applying best practices from clean code principles.
- Contributed to knowledge-sharing sessions to mentor teammates on secure and scalable architecture patterns.
- Integrated NLP pipelines into the product workflow to analyze clinical text, collaborating with ML teams to surface actionable insights directly in the application.
- Managed deployments on AWS (EC2, Lambda, RDS, S3), implementing automated CI/CD pipelines with Jenkins to streamline feature delivery.
- Collaborated with product managers and UX designers to define feature requirements and ensure user-centric delivery of healthcare reporting modules.

Cigna - Overland Park, KS   Jan 2022 – Nov 2023
Full Stack Developer

Key Projects: HIPAA-Compliant API Gateway, Kafka-Driven Health Analytics Pipeline.

- Developed healthcare app using React Native and Spring Boot, boosting user engagement by 10%.
- Engineered customer-facing healthcare features with React and Django, improving accessibility and maintaining HIPAA compliance.
- Designed real-time health analytics pipelines using Apache Kafka and Spring Cloud Stream, integrating event-driven processing for live data updates.
- Collaborated in a cross-functional Agile team to deliver secure, highly available microservices in a HIPAA-regulated environment.
- Integrated distributed NoSQL databases such as DynamoDB for scalable, low-latency data pipelines.
- Integrated RESTful APIs with robust input validation and error handling, maintaining production stability and user trust.
- Optimized SQL data access patterns to improve performance and reliability in patient data pipelines.
- Led initiative to improve legacy code readability and testability, applying best practices from clean code principles.
- Enhanced security controls with OAuth 2.0, JWT, and comprehensive input validation to protect PHI and ensure regulatory compliance.
- Implemented monitoring and logging strategies using Datadog and Grafana to maintain application reliability and performance.
- Supported containerized deployments with Docker and began adopting Kubernetes for orchestration of scalable workloads.
- Collaborated with product managers and designers to define requirements, prioritize features, and deliver solutions aligned with business goals.

Tech Mahindra - India   Jan 2021 – Dec 2021

Web Developer

Key Projects: Legacy Web Portal Revamp, Cross-Browser Testing Automation.

- Created responsive, cross-platform web applications using HTML5, CSS3, JavaScript, and Bootstrap.
- Improved page load speed by 20% through frontend optimization and lazy-loading strategies.
- Reduced UI defects by 30% with comprehensive cross-browser testing and component-level QA.
- Built responsive web apps using HTML5, CSS3, JavaScript, and Vue.js alongside Bootstrap to modernize legacy interfaces.
- Refactored legacy JavaScript modules to improve code modularity, maintainability, and alignment with modern standards.
- Refactored legacy codebases to align with modern software design patterns, improving long-term maintainability and easing onboarding for new developers.
- Collaborated within Agile sprints, participating in daily stand-ups, code reviews, and backlog grooming to ensure high-quality feature delivery.
- Integrated automated unit and integration testing pipelines using Selenium and Jenkins, reducing post-release defects by 25%.
. Built RESTful API endpoints to support new features, ensuring consistent data contracts and improving interoperability with other systems.

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, TypeScript, Python, Java, C++, C#, Go, .NET Core, HTML5, CSS3
- **Frameworks & Libraries:** React.js, Redux, Next.js, Node.js, Express.js, Spring Boot, Spring MVC, Angular, Vue.js, React Native, Bootstrap, Tailwind CSS, Hibernate, Flask, Django, Django REST Framework
- **Cloud & DevOps:** AWS (EC2, Lambda, S3, RDS), Microsoft Azure (Cosmos DB, Service Bus, Event Hub, Azure SQL), Docker, Kubernetes, Terraform, Jenkins, GitHub Actions
- **Web & API Technologies:** RESTful APIs, GraphQL, WebSocket, gRPC, JWT, JSON, XML
- **Databases:** PostgreSQL, MySQL, MongoDB, Microsoft SQL Server, DynamoDB, Redis, Cosmos DB, NoSQL
- **Architecture & Patterns:** Microservices, Event-Driven Architecture, Distributed Database Systems, Clean Code, SOLID Principles
- **Security & Testing:** OAuth 2.0, TLS/SSL, OWASP, XSS Prevention, Input Validation, Jest, Enzyme, JUnit, Cypress, Selenium, SonarQube, Postman
- **Machine Learning & AI:** scikit-learn, TensorFlow, Keras, NLP, Pandas, NumPy, Hugging Face Transformers
- **Tools & Workflow:** Git, GitHub, GitLab, Bitbucket, Jira, Maven, Gradle, New Relic, Datadog, Grafana, Agile/Scrum, CI/CD pipelines, Version Control

EDUCATION

- **University at Buffalo**, Buffalo, NY - *Master of Science, Computer Science*   Jan '22 – May '23
  o Relevant Courses: Advanced Algorithms, Secure Software Design, Machine Learning, Natural Language Processing, Cloud Computing, Deep Learning, Big Data Analytics, Artificial Intelligence, Distributed Systems
- **KL University**, AP, India - *Bachelor of Technology, Computer Science*   May '17 – Apr '21
  o Relevant Courses: Object-Oriented Programming, Operating Systems, Data Structures and Algorithms, AI, Database Management Systems, Computer Networks, Network Security, Mobile Application Development