

Kamal Hemanth Chimakurthi

Software Developer

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Summary

Dynamic Software Developer with 4+ years of experience in designing and implementing scalable, cloud-based solutions. Proficient in Java, Python, React.js, and Node.js, with expertise in microservices, RESTful APIs, and AWS. Successfully developed e-commerce platforms, SaaS applications, and robust backend systems using advanced tools and technologies. Adept in Agile methodologies, CI/CD pipelines, and automated testing, ensuring rapid delivery of high-quality software. Skilled in secure authentication, scalable architectures, and optimizing user interfaces for seamless performance and customer satisfaction.

Technical Skills

- **Programming Languages:** Java, Spring Boot, Python
- **Frontend Technologies:** React.js, Angular, Angular UI Framework
- **Backend Technologies:** Node.js, Express.js, Microservices, RESTful APIs
- **Cloud Platforms and Tools:** AWS Lambda, AWS S3, MongoDB Atlas, PostgreSQL, Tomcat Server
- **Database Systems:** MongoDB, PostgreSQL
- **Testing Frameworks:** JUnit, Mockito, Jest, Mocha
- **DevOps Tools:** GitHub Actions, CI/CD Pipelines, Automated Testing, Code Scanning
- **Security & Authentication:** OAuth 2.0, JWT, PCI DSS Compliance
- **Project Management:** Agile Development, Sprint Planning
- **Performance Optimization:** Database Query Optimization, Indexed Structures
- **Other Tools:** Git, REST APIs

Professional Experience

Software Developer, TEKsystems

02/2024 – Present | Remote, USA

- Developed a Cloud-Based Multi-Store E-Commerce stage using React.js, creating dynamic and scalable dashboards for running multiple online stores. Integrated features like product listings, inventory managing, order processing, and customer dealings using REST APIs.
- Engineered the backend using Node.js and Express with a microservices architecture, breaking down features like authentication, product management, and order processing into isolated, independently scalable services. Implemented RESTful APIs for efficient inter-service communication and performance.
- Intended database schemas using MongoDB for flexible user and product data storage, and PostgreSQL for managing transactional data. used ORM methods for relational data integrity, optimizing query performance with indexed structures for e-commerce transactions.
- Deployed microservices to AWS Lambda, implementing a serverless architecture to minimize overhead and automatically scale based on traffic. Utilized AWS S3 for media storage, ensuring fast and scalable delivery of product images and customer data backups.
- Implemented secure payment processing by integrating a payment gateway and ensuring PCI DSS compliance. Employed OAuth 2.0 for secure user authentication and JWT for token-based authorization, safeguarding sensitive user and transaction data across the platform.
- Set up CI/CD pipelines with GitHub Actions to automate testing, building, and deployment workflows. Integrated unit and integration tests using Jest and Mocha, ensuring software stability and rapid deployment without compromising on quality.

Software Developer, Tata Consultancy Services

03/2020 – 12/2021 | Nagpur, India

- Designed and deployed a SaaS Client and Project Management System using Java 8, Spring Boot, and Angular, serving a large number of clients across multiple countries with scalable, reliable, and user-friendly features.
- Developed reusable Angular components and optimized database queries, enhancing data processing speed and UI responsiveness, ensuring seamless performance across high-traffic applications.
- Increased test coverage by implementing JUnit and Mockito, significantly improving application reliability, identifying bugs early, and reducing production defects.
- Integrated DevOps practices, including CI/CD pipelines, automated testing, and code scanning, improving deployment frequency and enhancing development efficiency.
- Resolved production incidents by performing root cause analysis, implementing long-term fixes, and reducing customer complaints, improving application stability and user satisfaction.
- Automated repetitive development and testing tasks, reducing operational risks, streamlining workflows, and increasing productivity across software delivery processes.

Java/Python Developer, Tata Consultancy Services

05/2019 – 03/2020 | Nagpur, India

- Developed a tourist planning platform using Spring Boot (Java 8) for backend and ReactJS for frontend, delivering a user-friendly and highly responsive solution for seamless trip planning.
- Improved application performance through efficient backend logic, optimized API calls, and proactive performance tuning, ensuring reliable and scalable service delivery.
- Designed intuitive user interfaces using Angular UI Framework, enhancing user experience and increasing customer engagement and satisfaction.
- Employed Agile development methodologies, accelerating feature delivery, improving team productivity, and ensuring quick adaptability to evolving requirements through effective sprint planning and execution.
- Managed Tomcat application servers, enhancing response times, reducing downtime, and ensuring consistent availability for critical user operations.

Education

Master of Science, University of Texas at Arlington

01/2022 – 12/2023 | Texas, USA

Data Science

Bachelor of Engineering, Sree Venkateshwara College of Engineering

06/2015 – 07/2019 | Andhra Pradesh, India

Computer Science and Engineering