

NIKHIL YAKKALA

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Summary

Experienced Software Engineer with 4+ years in scalable cloud-native development using Java, Python, AWS, and Kubernetes. Skilled in CI/CD, microservices, and React portals. AWS Certified; excels in Agile teams and delivering high-quality, reliable solutions.

Skills

- **Languages:** Java (JDK, JVM), Python, C, C#, Rust
- **Databases:** PostgreSQL, Oracle, DB2, NoSQL, MySQL, MongoDB, Cassandra, SQL, RDBMS
- **Web Technologies:** HTML5, CSS, JavaScript, AJAX, JSON, Bootstrap, jQuery, XML, Angular (v2.0–v14), React.js (with Flux/Redux), Node.js, Express.js, Hapi.js
- **Frameworks/Libraries:** .NET, Spring Boot, Handlebars.js, Polymer.js, Backbone.js
- **Web Services:** RESTful APIs, SOAP, JAX-RS, JAX-WS, Apache CXF, Axis, Jersey
- **Application/Web Servers:** Apache Tomcat, Oracle WebLogic, IBM WebSphere, JBoss
- **Testing Tools:** JUnit, TestNG, Mockito, Selenium, Protractor, Jasmine, Karma, Mocha, Chai, Spock
- **DevOps & CI/CD:** AWS, Azure, GCP, Docker, Kubernetes, Jenkins, Terraform, GitHub/GitLab
- **Build Tools:** Maven, Gradle, Ant, Webpack, Gulp, Grunt, NPM, Bower
- **Operating Systems:** Windows, Linux, Unix, macOS
- **Project Management:** Jira, Rally, Microsoft Project
- **AI/ML & GenAI:** GenAI, Large Language Models, Scikit-learn, TensorFlow, PyTorch, Hugging Face

Certifications

- Computer Vision - Object Detection with OpenCV and Python by Coursera
- Python Data Structures by Coursera
- Angular & Node Js - The MEAN Stack Guide by Udemy

Experience

Software Engineer

07/2024 to Current
USA

Kofax Inc.

- Led development of a cloud-native SaaS platform handling 10,000+ daily transactions with <500ms latency and 99.9% uptime.
- Architected 4 core microservices (Spring Boot) on AWS EKS, integrating third-party APIs and automating workflows from ingestion to compliance-ready response generation.
- Designed containerized, event-driven architecture using Kubernetes, Docker, and AWS serverless services, improving scalability by 35% and enabling dynamic resource allocation for high-traffic workloads.
- Developed React-based user portal with JWT authentication (AWS Cognito) and embedded real-time analytics dashboards (Grafana), empowering stakeholders to monitor system health, SLAs, and transaction metrics.
- Secured infrastructure using IAM policies, KMS encryption, and VPC isolation, ensuring compliance with data protection regulations (e.g., HIPAA) across 50+ microservices and 15+ AWS environments.
- Built observability framework by aggregating metrics from Prometheus, AWS CloudWatch, and X-Ray into Grafana, reducing incident resolution time by 30% via automated alerts for performance bottlenecks.
- Led 5-member Agile team, delivering 12+ milestones on schedule and reducing defects by 25% through peer reviews and TDD.

Computer Science Grader

09/2023 to 06/2024
Chicago, IL

DePaul University

- Managed grading responsibilities for Data Analytics, Regression, Distributed Systems, and Big Data Mining, ensuring timely feedback and consistent quality across multiple courses.
- Evaluated and graded 50+ assignments weekly with a focus on accuracy and adherence to academic standards.
- Provided academic support to over 100 students, addressing technical queries and enhancing subject understanding.

Associate Professional Software Engineer

08/2021 to 06/2022
Chennai, India

DXC Technology

- Collaborated with stakeholders and cross-functional teams to translate business requirements into technical specifications, successfully onboarding user assets using scalable Java-based solutions.
- Designed and deployed RESTful APIs using Java, Spring Boot, and MongoDB, streamlining microservices deployment with Azure DevOps pipelines and resource groups, resulting in improved agility and frequent application updates.
- Implemented role-based access control (RBAC) using Spring Security, HTTP Basic authentication, and JWT tokens to secure API sessions and ensure compliance with data protection standards.
- Built CI/CD pipelines with Jenkins and Terraform, integrated Prometheus and Grafana for monitoring and automated rollbacks.
- Reviewed Java code to improve maintainability and reduce defects by promoting design pattern use.
- Diagnosed and resolved software issues, reducing system defects by 15% through root cause analysis and debugging.
- Fixed front-end bugs using Angular and Chrome DevTools, optimizing UI performance and enhancing user experience.
- Automated workflows with Python and machine learning models, boosting process efficiency and reducing manual effort.

Java Developer

08/2019 to 07/2021
India

OneCard

- Conducted testing and debugging of software applications, reducing defects by 20% and improving transaction system reliability.
- Designed and implemented Java applications using Spring Boot, MySQL, Kubernetes, Docker, and Gradle for scalable deployments.
- Resolved software bugs, improving system stability and reducing production downtime.
- Collaborated in Agile development environments, actively contributing to sprint planning, backlog grooming, and retrospective meetings to drive timely project delivery and continuous improvement.
- Engineered data pipelines for large datasets, achieving 30% faster processing.
- Built and optimized data pipelines for financial systems using Java and big data technologies, improving accuracy and efficiency.

Achievements

- Led the Creative Design Club of 20 people, crafted eye-catching flyers for college events, leaving a memorable impression.
- Oversaw Alphamedica-2020, directing 100 people and arranging committees, budgets, logistics for a highly successful event.
- Guided team of 6 to win J-Hub Hackathon for the project 'Security System for Face Recognition and Voice Assistance.'

Education

Master of Science: Computer Science

06/2024

DePaul University

Chicago, IL

Bachelor of Technology: Computer Science

06/2021

Geethanjali College of Engineering and Technology

Hyderabad, India