Vineeth Chava

Masters in Computer Science | Software Engineer
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[LinkedIn](#) | [Portfolio](#)

SUMMARY

- Software Engineer with **3.5+ years** of experience in all **Software Development Life Cycle (SDLC)** aspects, delivering **scalable web-based applications** with expertise in design, development, integration, and deployment using technologies like **Python**, **Java**, and **RESTful APIs**.
- Skilled in designing and deploying scalable **cloud-based web applications on AWS platforms**, leveraging **modern cloud infrastructure** and **APIs** to create **data-driven, real-time solutions**.
- Proficient in crafting dynamic web solutions using a diverse tech stack, including **JavaScript frameworks (React.js, Angular)**, backend frameworks like **Node.js** and **Spring Boot**, and DevOps tools such as **Docker**, **Jenkins**, and **Grafana** to deliver tailored client solutions.
- Demonstrated **technical leadership and mentorship**, fostering **cross-functional team collaboration** to deliver high-impact results while ensuring **software quality assurance**, **data synchronization**, and streamlined **CI/CD pipelines**.

TECHNICAL SKILLS

Languages: Python, Java, SQL, JavaScript, TypeScript, C++, C#
Frameworks: Flask, Django, Spring Boot, Spring MVC, Express, Node.js, React, Angular, Docker, Kubernetes, FastAPI
Web Technologies: HTML5, CSS3, Redux, RESTful APIs, UX/UI, AJAX
Cloud Platforms: AWS (S3, SQS, SES, EC2, Lambda, ECS, CloudWatch), Azure, GCP
Databases: MySQL, PostgreSQL, MongoDB, DynamoDB
Tools: Git, GitHub, GitLab, Jenkins, GraphQL, RabbitMQ, Kafka, Tableau, Grafana, OpenShift, Postman, Jira, Confluence
Coursework: Data Structures & Algorithms, Object-Oriented Programming, Software Engineering, Cloud Computing

WORK EXPERIENCE

CGI Group Inc, India – Software Engineer   *Oct 2021 – Feb 2023*
- Implemented microservices with Flask and Django, increasing system scalability by 40% and fault tolerance by 30%.
- Developed a GraphQL API, reducing API calls by 20%, significantly optimizing client application performance for high-volume transactions.
- Streamlined development by crafting custom React hooks to encapsulate complex DOM logic for reusable components.
- Improved CI/CD pipeline efficiency, resulting in 30% faster delivery and 20% reduced deployment errors.
- Designed and executed advanced AWS deployment strategies using Docker and Kubernetes, achieving a 40% decrease in server costs and a 25% improvement in scalability.
- Collaborated with cross-functional teams, providing mentorship to 5 junior engineers, and improved code quality through structured reviews and feedback.

Infosys Ltd, India – Software Engineer   *Aug 2019 – Oct 2021*
- Developed and Secured Python applications with Flask Security, implementing OAuth2 and JWT authentication, reducing security vulnerabilities by 25%.
- Integrated Java back-end with React.js front-end using Redux, improving data management and state updates.
- Reduced application response time by 30% by optimizing database operations with Amazon DynamoDB.
- Conducted automated unit and integration testing using Pytest, implementing 20+ test cases to ensure backend API reliability.
- Incorporated automated testing and defect detection into Jenkins-managed CI/CD pipelines, improving code quality and deployment reliability.

EDUCATION

Master of Science in Computer Science
University of Missouri, Kansas City, MO, USA – GPA: 4.0   *Aug 2023 – May 2025 (Expected)*
Bachelor of Technology in Computer Science
International Institute of Information Technology Bhubaneswar, India – GPA: 7.66/10   *Aug 2015 – May 2019*

CERTIFICATIONS

- AWS Certified Developer Associate
- Meta Certified Full Stack Developer
- IBM Certified Full Stack Developer