

Vinay Kumar Chowdry

Full Stack Developer

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SUMMARY

Full Stack Developer with over 4 years of hands-on experience in front-end and back-end development, DevOps practices, microservices, and cloud automation. Proven ability to design and scale web applications using modern technology stacks including Angular, React, Java, Spring Boot, and Node.js. Strong understanding of system design, OOP, and Agile methodologies. Experienced in CI/CD pipelines, cloud infrastructure, and delivering high-quality, performance-optimized software in cross-functional teams.

WORK EXPERIENCE

Verizon Wireless Systems

Dec 2023 - Present

Software Developer

- Architected scalable backend systems using microservices and RESTful APIs with Java, Spring Boot, design patterns, and Hibernate, achieving 30% reduction in latency.
- Developed RESTful APIs and implemented dependency injection across services, controllers, and DAOs.
- Enhanced Angular application performance using NgRx for state management, reducing load times by 30%.
- Optimized MySQL queries via indexing and efficient JDBC usage, decreasing query execution from 2.5s to under 1s.
- Automated AWS EC2 scaling and S3 storage with Terraform, leading to 20% cost savings.
- Built real-time Kafka-based data pipelines handling thousands of messages/second.
- Orchestrated Dockerized microservices using Kubernetes and Helm, reducing deployment time by 50%.
- Managed CI/CD pipelines with Jenkins and GitHub Actions for streamlined builds, tests, and deployments.
- Implemented monitoring and logging via AWS CloudWatch, ELK Stack, and Prometheus.
- Increased test coverage and reduced defects by 15% with unit and integration tests using Jest, JUnit, and Mockito.
- Leveraged JIRA to track progress, organize sprints, and maintain Agile SDLC discipline.

Infosys

Sep 2020 - Jul 2022

Software Engineer

Clients: T-Mobile, Comcast

- Modernized legacy applications using Spring Boot, Spring JPA, and Spring MVC, reducing feature dev time by 30%.
- Led migration to microservices architecture improving scalability and introducing versioned APIs.
- Upgraded AngularJS applications to Angular, increasing user engagement by 40% and halving load times.
- Developed SPAs using Angular with lazy loading, directives, and RxJS for async data management.
- Enhanced accessibility using ARIA roles across interactive UI components.
- Improved PostgreSQL performance by 50% through optimized queries, stored procedures, and Redis caching.
- Deployed high-availability services using AWS (Lambda, API Gateway, S3, CloudFront, Route 53).
- Practiced TDD with Jest, Mocha, JUnit, and reduced test cycles by 20% using Protractor and Selenium.
- Set up dashboards in Grafana and improved observability with Splunk and monitoring tools.
- Strengthened API security with OAuth 2.0 and SSL/TLS protocols.
- Led code reviews and improved issue resolution by 30% using JIRA and Confluence.

OpenText

Feb 2020 - Sep 2020

SDE Intern

- Developed responsive web applications with React, Node.js, and TypeScript, improving performance by 30%.
- Integrated RESTful backend APIs with frontend components using Redux and React hooks.
- Improved MongoDB API response time by ~10x using closures and aggregations.
- Implemented user authentication with JWT and OAuth 2.0.
- Deployed applications on AWS Elastic Beanstalk ensuring high availability.
- Created interactive API docs using Swagger UI and automated functional testing with Postman.
- Designed 15+ reusable UI components in Figma.
- Followed Agile SDLC, contributing to sprint planning and retrospectives with 95% satisfaction on deliverables.

SKILLS

Programming Languages	Java, Python, JavaScript, TypeScript, SQL, Shell Scripting
Frameworks/Libraries	Angular, React, Node.js, Express, RxJS, Spring Boot, Spring MVC, Hibernate
Web Technologies	HTML5, CSS3, SASS, LESS, AJAX, jQuery, JSON, XML
Databases	MySQL, PostgreSQL, MongoDB, DynamoDB, Redis
DevOps Tools	Docker, Kubernetes, Jenkins, GitHub Actions, Helm, Terraform, Maven, Gradle
Cloud Platforms	AWS (EC2, S3, Lambda, RDS, DynamoDB, API Gateway, CloudFront, Route 53, VPC), Azure
Monitoring & Logging	Prometheus, Grafana, ELK Stack, Splunk, AWS CloudWatch
CI/CD & Automation	Jenkins, GitHub Actions, Terraform, Shell Scripting
Testing	JUnit, Mockito, Jest, Mocha, Karma, Selenium, Protractor, Postman, Swagger, Cypress
Version Control	Git, GitHub, Bitbucket, SVN
Design Tools	Figma, Adobe XD, Sketch
UI/UX Principles	Responsive Design, Accessibility (WCAG), User-Centered Design, Cross-browser Compatibility
Project Management	Agile, Scrum, Jira, Confluence, SDLC, Microservices Architecture, Design Patterns
Soft Skills	Analytical skills, good verbal and written communication skills, excellent problem-solving skills.

EDUCATION

- University of Cincinnati** **Aug 2022 - Dec 2023**
Master of Science, Information Technology
- Jawaharlal Nehru Technological University** **Aug 2016 - Jun 2020**
Bachelor of Technology, Computer Science

CERTIFICATIONS

- AWS Certified Solutions Architect (In Progress)