

Sachin Devangan

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Summary

Skilled Software Engineer with 3+ years of experience in designing and developing scalable, high-performance applications. Proficient in Java, Spring Boot, Node.js, and React.js, with expertise in microservices, AWS, and CI/CD pipelines. Proven track record of optimizing systems to improve efficiency by 30%, reduce costs by 25%, and boost user engagement. Experienced in building secure, cloud-native applications using AWS Lambda, MongoDB, Docker, and Kubernetes. Adept at delivering interactive, data-driven user interfaces with D3.js and Redux. Strong focus on software quality, with automated testing using Jest, JUnit, and Mockito. Collaborative team player, committed to delivering reliable, innovative solutions on time.

SKILLS & TECHNOLOGIES

- **Languages:** Java, Python, JavaScript, TypeScript, SQL, C++, C/C#
- **Frameworks & Libraries:** Spring Boot, React.js, Redux, Node.js, Express.js, Vue.js, Bootstrap, D3.js, Chart.js, Hibernate, Microservices, RESTful APIs, Grails, Spring MVC
- **Databases & Cloud:** MongoDB, MySQL, PostgreSQL, AWS (Lambda, EC2, S3, RDS, Glue, CloudWatch), DynamoDB, Redis, Firebase, Apache Kafka
- **Tools & Technologies:** Git, GitHub, Jenkins, Docker, Kubernetes, Terraform, Maven, Gradle, JUnit, Mockito, Jest, Supertest, Mocha, Postman, Swagger, SonarQube, Snyk, New Relic, Prometheus, Grafana, Confluence, Lucidchart, Slack, Microsoft Teams, Visual Studio Code, IntelliJ IDEA
- **Development Practices:** CI/CD, Agile, Scrum, Test-Driven Development (TDD), Automated Testing, Continuous Integration, DevOps

WORK EXPERIENCE

Tata Consultancy Services

Software Engineer

Remote, USA

April 2024 - Present

- Architected and developed a secure financial application using Java and Spring Boot, optimizing transaction processing to handle up to 5,000 transactions per second.
- Designed and implemented a microservices architecture, modularizing the application to speed up development cycles by 30%, while enhancing integration and reducing maintenance overhead.
- Collaborated with front-end developers to build responsive, interactive user interfaces using React.js, Vue.js, and Bootstrap, improving user engagement and application usability.
- Integrated MongoDB 5.0 for efficient and scalable data storage, ensuring smooth data retrieval and system performance as user and product data volumes grew.
- Established CI/CD pipelines using Jenkins, automating builds, tests, and deployments, resulting in a 40% reduction in deployment times and minimizing manual errors.
- Conducted rigorous testing with JUnit 5 and Mockito, achieving 85% code coverage and early detection of bugs, improving software reliability.
- Worked closely with cross-functional teams to enhance performance monitoring using AWS CloudWatch, Prometheus, and Grafana, ensuring application stability and rapid issue resolution.

Cognizant

Software Developer

Remote, India

March 2020 – August 2022

- Designed and developed a scalable data pipeline using Node.js, Express.js, and MongoDB, processing over 5 million social media posts daily, while integrating Apache Kafka for real-time data streaming, improving processing efficiency by 35%.
- Created interactive front-end dashboards with React.js, Redux, and D3.js, delivering real-time data insights and enhancing user engagement by 20%.
- Developed and optimized RESTful APIs and integrated them with third-party services (Twitter, Facebook, Instagram), reducing API response times by 30% and improving overall system performance.
- Architected a serverless data architecture using AWS Lambda, S3, and Glue, resulting in a 25% reduction in infrastructure costs while maintaining high scalability and performance.
- Ensured 85% code coverage and minimized bugs by implementing automated testing with Jest, Mocha, and Supertest, improving overall software quality.
- Led the monitoring of system performance using AWS CloudWatch, Grafana, and New Relic, proactively identifying bottlenecks and improving system stability.
- Implemented CI/CD pipelines using Jenkins, Docker, and Kubernetes, automating deployment and release processes, reducing release times by 30% and ensuring seamless production deployments.
- Collaborated effectively with cross-functional teams via Slack and Microsoft Teams, and maintained clear documentation of technical workflows and processes using Confluence and Lucidchart.

EDUCATION

Stevens Institute of Technology

Master of Science in Computer Science

New Jersey, USA

September 2022 – May 2024

Savitribai Phule Pune University

Bachelor of Engineering in Information Technology

Pune, India

August 2016 – April 2020