Sachin Devangan

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SKILLS & TECHNOLOGIES

Languages — Java, Python, JavaScript, TypeScript, SQL, HTML, CSS, C++, C/C#

Databases — MySQL, MongoDB, PostgreSQL, SQL Server, Oracle, Firebase, Cassandra, Redis, Amazon DynamoDB, AWS RDS

Framework/Library — Spring Boot, React.js, Redux, Node.js, Express.js, GraphQL, D3.js, Chart.js, Hibernate, Microservices, Handlebars

Tools & Technologies — Git, GitHub, Docker, Kubernetes, AWS (EC2, S3, Lambda, Glue, CloudWatch, CodePipeline, CodeDeploy), Azure, JIRA, Jenkins, Terraform, Apache Kafka, Microsoft Azure, Maven, Gradle, Jest, Selenium, Postman, Swagger, JUnit, Mockito, Supertest, Mocha, SonarQube, Snyk, Newman, Prometheus, Grafana, New Relic, Dynatrace, Splunk, Puppeteer, Axios, LaunchDarkly, UserTesting, Lucidchart, Confluence, Markdown, IntelliJ IDEA, VS Code

WORK EXPERIENCE

Tata Consultancy Services   Remote, USA
Software Engineer   *September 2023 – May 2024*

- Architected a secure RESTful API with Java 21 and Spring Boot 3, cutting data retrieval times by 30% and managing over 1 million patient records. Designed user interfaces with Figma and Adobe XD.
- Developed a cross-platform mobile app with React Native and TypeScript, integrating Firebase and GraphQL, boosting patient engagement by 25% with telemedicine features and secure messaging.
- Ensured HIPAA compliance with AES-256 encryption, OAuth 2.0, MFA, and RBAC, achieving zero data breaches.
- Migrated legacy systems to AWS (EC2, RDS, S3), reducing maintenance costs by 20% and improving system availability. Established CI/CD pipelines with GitHub Actions, Docker, and Kubernetes, and automated builds with Jenkins, cutting release times by 40%.
- Conducted testing with JUnit 5, Mockito, Postman, and Newman, and led UAT with UserTesting, enhancing user satisfaction by 15%.
- Monitored performance using AWS CloudWatch, Grafana, and Prometheus, and designed robust backup and disaster recovery strategies with AWS Backup and Disaster Recovery to ensure data resilience.
- Facilitated communication through Slack and Microsoft Teams, managed source code with Git, and implemented feature toggles using LaunchDarkly to control feature deployment.

Stevens Institute of Technology   New Jersey, USA
Graduate Teaching Assistant   *May 2023 - September 2023*

- Mentored a diverse cohort of 175 students in full-stack development, expertly covering modern technologies such as Node.js, JavaScript, MongoDB, and Handlebars.
- Investigated and resolved over 80 instances of plagiarism by conducting in-depth trend analysis across 1,925 student assignments, upholding academic integrity.
- Authored 11 problem-based assignments that significantly boosted completion rates by 40% for the class, fostering a challenging and engaging learning environment.
- Streamlined the grading process by developing an integrated system using Node.js, Puppeteer, Axios, and MongoDB, cutting grading time from 100-120 hours to mere minutes each week.
- Built a scalable TypeScript-based assertion library with over 500+ test cases, enabling consistent and accurate evaluations of student assignments.

Cognizant   Remote, India
Software Developer   *March 2020 – August 2022*

- Built a scalable data pipeline with Node.js, Express.js, and MongoDB, handling over 5 million social media posts daily. Integrated Apache Kafka and Redis for real-time data streaming and caching, improving processing efficiency by 35%.
- Engineered an interactive front-end with React, Redux, and TypeScript, and added visualizations using D3.js and Chart.js, enhancing user engagement by 20% with real-time insights and engaging dashboards.
- Improved data accuracy by 20% through API integrations with Twitter, Facebook, and Instagram. Managed API traffic with API Gateway and Rate Limiter tools to ensure reliable data flow.
- Leveraged AWS Lambda, S3, and Glue to reduce infrastructure costs by 25% and enhance scalability. Used DynamoDB and RDS for data storage and management, streamlining ETL operations.
- Achieved 85% code coverage and reduced bugs by 40% with automated testing (Jest, Supertest, Mocha). Ensured code quality with SonarQube and security with Snyk.
- Monitored system performance with AWS CloudWatch, Grafana, and Prometheus, and enhanced operational efficiency through advanced analytics with New Relic and Dynatrace.
- Collaborated with teams using Slack, Microsoft Teams, and Zoom, and created comprehensive technical documentation and diagrams with Confluence and Lucidchart.

EDUCATION

Stevens Institute of Technology   **New Jersey, USA**
Master of Science in Computer Science   *September 2022 – May 2024*

Savitribai Phule Pune University   **Pune, India**
Bachelor of Engineering in Information Technology   *August 2016 – April 2020*