SIMRAN CHAWLA

Northeastern University Boston | Available for Internships/Co-ops from May 2024
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EDUCATION

NORTHEASTERN UNIVERSITY, College of Engineering **Boston, Massachusetts**
Master of Science in Computer Software Engineering **May 2025**
Related courses: Object Oriented Design, Web Development

SHRI RAMDEOBABA COLLEGE OF ENGINEERING AND MANAGEMENT **Nagpur, India**
Bachelor of Engineering in Computer Science and Engineering **May 2018**
Related courses: Operating Systems, Databases, Web Development

TECHNICAL SKILLS

Programming Languages: Java, Kotlin, Go, HTML, CSS, JavaScript, Sass, SQL
Programming Paradigm: Reactive programming
Databases: MySQL, MongoDB, PostgreSQL
Frameworks: SpringBoot, Vaadin, ReactJS
Architectural Design: Orchestration, REST, Microservices, Monolith
Deployment & DevOps & monitoring: Docker, AWS, TeamCity, Jenkins, Observability, Grafana
Middleware: Git, Github, Bitbucket, Apache Kafka, RabbitMQ, Backstage
Practices: Pair programming, CI/CD, Agile, Scrum, Kanban, TDD, Clean code, Extreme Programming

WORK EXPERIENCE

THOUGHTWORKS TECHNOLOGIES **Pune, India**
Lastminute - European travel tech company | Backend developer **April 2021 - August 2023**
- Pioneered a strategic centralized database solution to address client challenges with disparate data sources, improving operational efficiency & data consistency across multiple products
- Developed a user-friendly Back office application with Vaadin framework, boosting manual data management efficiency and accuracy by **30%**
- Integrated Grafana for real-time application monitoring, configured Slack alerts to notify team, ensuring proactive responses & efficient system performance tracking
- Consulted clients on optimizing products by leveraging ChatGPT, MidJourney APIs, & Backstage to enhance user experience, including dynamic Instagram post creation

Axis Bank - Retail banking | FullStack developer
- Modernized consumer-facing UIs & backend systems for credit cards, personal & auto loans projects ensuring production readiness & implementing robust monitoring
- Ensured uniform code appearance across platforms with Step framework, allowing future updates with a single change in platform-level code for all products, enhancing efficiency and maintainability
- Promoted clean code and TDD with Mockito, achieving **92%** test coverage
- Conducted over 40 technical interviews & candidate assessment, enabling recruiters to hire best candidates for team
- Contributed to open source library like Taiko: a Node.js library for testing modern applications
- Conducted impactful technical sessions on React, advance styling & TDD best practices for community enrichment

AYOCONNECT TECHNOLOGIES PVT LTD **Pune, India**
Software Engineer **September 2020 - April 2021**
- Ayopop API integrates with utilities, telecom, insures & service providers offering single connect to single API for facilitating online bill payment to consumers
- Integrated 4 service providers/billers to the API platform by building separate micro-services in Golang for each biller
- Migrated 2 biller integrations from monolith to micro service
- Examined each biller flow, built their micro service, deployed to production & monitored

ZS ASSOCIATES **Pune, India**
Software Engineer **September 2018 - September 2020**
- Worked in a feature development team for pharmaceutical Sales planning & compensation platform named Javelin Alignment Management
- Extracted data from upstream systems, generated reports & displayed them based on roles
- Developed feature so that user can see role-based hierarchies
- Designed and implemented automation framework using Selenium, Cucumber, jUnit
- Mentored 3 software engineers, participated in their review cycles to help them to grow

PROJECTS

A Netflix clone
- Designed and implemented a clone for Netflix to exercise my frontend skills by calling OMDB movies API
- Built this interactive and responsive user interface using HTML, CSS & SASS

Udacity FullStack NanoDegree [Build multiple projects backend, frontend, FullStack]
- A Capstone project, developed database backed web API with user access control & secured it with frontend
- Learned to deploy this application to Kubernetes using EKS