NAMAN SHRIMALI

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SUMMARY

A Java Full-Stack Developer with over 2 years of agile development experience in designing, developing, and managing robust and scalable applications in Banking, Financial and Retail Industry.

TECHNICAL SKILLS

Languages	:	Java, Python, TypeScript, JavaScript (ES6), Dart, Ruby, HTML, CSS
Frameworks	:	Angular, ReactJS, Flutter, Node.js, Spring Framework
Databases	:	RDBMS (PostgreSQL, DB2, MySQL, MariaDB), NoSQL (MongoDB, Cassandra, HBASE, DynamoDB)
Tools	:	REST, Git, Docker, Kafka, RabbitMQ, Heroku, Jenkins, Maven, NPM, Tomcat/Nginx, Swagger

PROFESSIONAL EXPERIENCE

Software Development Engineer, Amazon Web Services, Seattle, WA   Feb 2023 – Present
Worked as backend engineer for Amazon Kinesis Data Streams, a serverless and scalable streaming data service

- Generated **80% of region's traffic** by creating a distributed load generation module with **AWS EC2, SQS, S3** using multiple hosts.
- Introduced several alarms, triggered when production system usage crosses certain threshold, raising sev-2s to on-call employees

Full Stack Developer Intern, Credible Labs, Durham, NC   May 2022 – Aug 2022
Credible's online marketplace offers consumers to compare and refinance loans, mortgages, and other financial products from lenders.

- Reduced lender onboarding time to **7 days** by streamlining codebase with **design patterns** and simple yaml configurations.
- Introduced UI consistency by creating a custom **ReactJS** theming component which conditionally generated CSS variables to be read by all components, eliminating the need to create a new stylesheet or class designation for every theme.

Part Time Research Assistant, North Carolina State University, Raleigh, NC   Jan 2022 – Dec 2022
Assisting research focused on improving Peer Assessment System - Expertiza (Open Source), while officially maintaining the system.

- Transformed peer reviewing by transitioning from generalized to Role-Based Reviewing, allowing role-specific peer evaluation.
- Boosted performance by **14%** & modernized an 8-year-old system by **migrating to Rails 6, Ruby 3** with no functionality affected.
- Improved test coverage by **29%** and code quality by **34%** by progressively refactoring and **mentoring 32 open-source contributors**.

Full Stack Developer, IBM India Pvt Ltd, Hyderabad, India   Nov 2019 – Jul 2021
Created "Schedule and Save" feature for Albertsons (US) and worked for "Cards and Payments" feature for Westpac (AU)

- Built reusable components on **Angular** and **RESTful Microservices** on **Spring Reactive** for asynchronous order transactions
- Ensured **Test-Driven Development (TDD)** with 90%+ test coverage by developing automated unit, component and integration testing framework built on **JUnit5**, **Mockito**, **MockWebServer** and **SonarQube**, maintained technical documentation as well.
- Designed and implemented **automated error handling and retry mechanism** on transient system failures, achieving **95% service availability** and curbed the service error rate to less than 2%.
- Achieved **13% reduction** in service response time by introducing cache replication and persistence with **EHCache and Redis**.

PERSONAL PROJECTS

Spryly   Jun 2021 – Jul 2021

- Developed an **adaptive** and **responsive** open-source work management web-app on **Angular**, **NPM Packages**, **Redux**, with live Kanban board for team collaboration using **Web sockets**.
- Built **Spring Boot, NodeJS** microservices, used **RabbitMQ** for asynchronous messaging, **PostgreSQL, DynamoDB** for databases.
- Secured with **Spring Security, Google OAuth2**, and **JWT** integrated on **Spring API Gateway**, load balanced with **Netflix Ribbon**.
- Containerized services using **Docker**, deployed application on **AWS EC2**, automating deployment process with **Gitlab CI/CD**.

Timebox   Apr 2023 – Present

- A mobile application that divides long term and short-term goals into daily tasks, schedules them and syncs with google calendar. Built with Flutter, Dart, Spring Reactive, deployed on AWS Elastic BeanStalk.

Leetrecur   Feb 2022

- A Chrome Extension (5 stars, 500+ active users) that provides automated tracking for LeetCode submissions and schedules revision based on user's proficiency. Built with ReactJS, TypeScript, jQuery.

EDUCATION

Master of Science in Computer Science   Aug 2021 – Dec 2022
North Carolina State University, Raliegh, NC   *GPA: 3.93*

Bachelor of Technology in Computer Science   Aug 2015 – May 2019
Rajasthan Technical University, Jaipur, India

Certifications

- Microsoft Certified: Azure Fundamentals ([Badge](#))
- Deep Learning Specialization - deeplearning.ai ([Badge](#))