

Naman Shrimali

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

SUMMARY

A **Java Full-Stack Developer** with 2+ years of professional experience in designing, developing, and managing robust and scalable applications in BFSI and Retail Industry. Currently pursuing master's in computer science and working part-time as a **Research Assistant** at **NC State University**.

TECHNICAL SKILLS

Languages:	Java, Python, TypeScript, JavaScript (ES6), Ruby, Linux Shell Scripting
Frameworks:	Angular, ReactJS, Flutter, Node.js, Spring Frameworks Boot, Reactive, Cloud, Security), JUnit, Mockito, Karma
Web Technologies:	HTML, CSS, LESS, SASS, jQuery, REST, SOAP, Microservices, HTTP, OAuth2, Web Sockets
Databases:	MySQL, PostgreSQL, Redis, MongoDB, Apache Cassandra, DB2, HBASE
Tools:	Azure, AWS, Git, Docker, Kafka, RabbitMQ, Heroku, Jenkins, Maven, NPM, Tomcat/Nginx, Swagger

PROFESSIONAL EXPERIENCE

- Research Assistant, North Carolina State University, Raleigh, NC** Jan 2022 – Present
 - Assisting research focused on improving *Peer Assessment System* - [Expertiza \(Open Source\)](#) using NLP to filter pejorative, unhelpful reviews and summarize useful ones while officially maintaining and improving the system.
 - Improved peer reviewing process by transitioning from generalized to [Role-Based Reviewing](#) that provides skill specific evaluation metrics for assessment of collaborators as per their roles.
 - Migrated legacy code from **Rails 4** to **Rails 6**, modernizing a **7 year+** old system without affecting any functionality.
 - Progressively refactored process hindering logic by implementing **optimal design patterns**, resulting in **10%** performance improvement.
 - Mentored several graduate students on OSS projects that increased total test coverage of the system by **20%** and code quality by **14%**.
- Full Stack Developer, IBM India Pvt. Ltd., Hyderabad, India** Nov 2019 - Jul 2021
 - Albertsons Companies, Inc - Schedule and Save:**
 - Owned development and deployment of "Schedule & Save" feature that lets shoppers place recurrent orders automatically.
 - Built reusable front-end components on **Angular** and **RESTful Microservices** on **Spring Reactive** for asynchronous order transactions.
 - Ensured Test-Driven Development (TDD) with **90%+** test coverage by developing custom component and integration testing framework built on **JUnit5**, **Mockito**, **MockWebServer** and **SonarQube**, maintained technical documentation for the same.
 - Developed internal **CI/CD** Jenkins pipeline that integrated code build, unit testing, sonar scan, and application deployment over **Azure Virtual Machines** in a single scan, thereby reducing deployment time by **70%**.
 - Westpac – Cards and Payments:**
 - Automated manual data collection and aggregation by dashboarding customer's verified income and expenses data using **Spring Boot microservices** and **HBASE** to aid upfront customer background verification for covid relief, resulting in at least **30%** FTE reduction.
 - Designed and implemented **automated error handling and retry mechanism** on transient system failures, achieving **99.99%** service availability and curbed the service error rate to less than **0.05%**.
 - Achieved **13%** reduction in **Spring Boot** service response time by introducing cache replication and persistence with **EHCache** and **Redis**.

PERSONAL PROJECTS

- Spryly** - An **open-source** work management web application that facilitates team collaboration on live Kanban board Apr 2021-Jun 2021
 - Developed **mobile-friendly** web application in **Angular**, used **Redux** for state management with **80%** test coverage with **Karma** tests.
 - Built **microservices** on **Spring Boot**, **NodeJS** and **RabbitMQ** for asynchronous messaging, **PostgreSQL**, and **DynamoDB** for databases.
 - Developed **NPM package** on **TypeScript** to achieve **60%** code reusability, used **SonarQube** to maintain code quality.
 - Secured services 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 entire deployment process using **Gitlab CI/CD**.
- LeetRecur** - A **Chrome Extension** (5 stars, 250+ downloads) that provides automated tracking for leetcode submissions and schedules their revision based on user's submission history and proficiency. Built using **ReactJS**, **TypeScript**, **jQuery**. Feb 2022
- Advance** - 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**. May 2022 - Present

EDUCATION

- Master of Science in Computer Science** Aug 2021 - Dec 2022
North Carolina State University, Raleigh, NC GPA: 3.89/4.0
- Bachelor of Technology in Computer Science** Aug 2015 - May 2019
Rajasthan Technical University, Kota, India

Related Coursework: Design and Analysis of Algorithms, Introduction to Artificial Intelligence, Object Oriented Design and Development, Neural Networks, Database Management Systems, Engineering Statistics

CERTIFICATIONS

- Microsoft Certified: Azure Fundamentals ([Badge](#)) Apr 2021
- Deep Learning Specialization - deeplearning.ai ([Badge](#)) May 2019