

Naman Shrimali

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

SUMMARY

A professional **Java Full-Stack, Certified Azure Developer** with 2+ years of professional experience in designing, developing, and managing robust and scalable enterprise-grade applications in BFSI and Retail Industry. Currently working as a **Research Assistant** with [Dr. Edward Gehringer](#) at **North Carolina State University**.

TECHNICAL SKILLS

Languages:	Java, Python, TypeScript, JavaScript, Ruby, HTML, CSS
Frameworks:	Angular, React, Spring Frameworks (Boot, Reactive), Ruby on Rails, Node.js, Express.js, JUnit, RSpec, Mockito, Karma
Web Technologies:	REST, SOAP, Microservices, HTTP, OAuth2, Web Sockets
Databases:	MySQL, Redis, MongoDB, Apache Cassandra, DB2, HBASE (DB Management System)
Tools:	Azure, AWS, Git, Docker, Kafka, RabbitMQ, Heroku, Jenkins, Maven, NPM, Tomcat/Nginx

PROFESSIONAL EXPERIENCE

- **Research Assistant, North Carolina State University, Raleigh, NC** Jan 2022 – Present
 - **Expertiza - Computer-Assisted Peer Assessment:**
Researching how peer assessments affect learning by employing *Expertiza - an open-source peer learning platform*.
 - * 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.
 - * **Lead contributor** in migrating legacy code from **Rails 2.3** to **Rails 6**, modernizing a **10y+** old system without affecting any functionality.
 - * Increased total **test code coverage** by **30%** by writing automated test cases using **RSpec** and **Cucumber**.
 - * Identified and optimized process hindering logic by implementing **optimal design patterns**, resulting in **20%** performance improvement.
- **Full Stack Developer, IBM India Pvt. Ltd., Hyderabad, India** Jun 2019 - Jul 2021
 - **Albertsons Companies, Inc - Schedule and Save:**
Albertsons Companies is leading food and drug retailer that operates stores across 34 states with more than 20 well-known banners.
 - * Developed and deployed "Schedule & Save" feature in production that lets shoppers set up automatic orders.
 - * Built reusable front-end components on **Angular 8** and backend **microservices** on **Spring Reactive** for asynchronous order transactions.
 - * Ensured **90%+** coverage and fault tolerance by developing custom component and integration testing framework built on **JUnit5**, **Mockito**, **MockWebServer** and **SonarQube**.
 - * 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:**
Westpac is Australia's oldest banking institution and financial services provider with more than 14 million customers.
 - * Automated manual data collection and aggregation by dash boarding customer's verified income and expenses data using **Spring Boot microservices** and **HBASE** clusters to aid upfront customer background verification, resulting in **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**.
 - * Mentored three graduate hires on project.
- **Full Stack Engineer Intern, IBM India Pvt. Ltd., Bangalore, India** Jun 2019 - Nov 2019
 - **Sprly:**
Sprly is a work management system that facilitates agile team collaboration on live kanban board.
 - * Developed front-end in **Angular 8**, used **Redux** for state management of the application, unit tested with **Karma** tests achieving **80%** test coverage.
 - * Built back-end **microservices** on **Spring Boot**, **NodeJS** with **RabbitMQ AMQPs** for asynchronous messaging between the services, with **90%** of code unit tested with **JUnit5** and **Mockito**.
 - * Developed **NPM packages** on **TypeScript** to enforce code reusability, used **SonarQube** to maintain code quality.
 - * Secured the services with **Google OAuth2** integrated on **Spring Cloud API Gateway**, introduced load balancing with **Netflix Ribbon**.
 - * Containerized services using **Docker**, deployed application on **AWS EC2** using **Gitlab CI/CD**.

EDUCATION

- **Master of Science in Computer Science** Aug 2021 - Dec 2022 (Expected)
North Carolina State University, Raleigh, NC GPA: 3.89/4.0
- **Bachelor's in Computer Science and Engineering** Aug 2015 - May 2019
Rajasthan Technical University, Kota, India

CERTIFICATIONS

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