

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 part-time as a **Graduate Research Assistant** with [Dr. Edward Gehringer](#) at **North Carolina State University**.

TECHNICAL SKILLS

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

PROFESSIONAL EXPERIENCE

- Graduate Research Assistant, North Carolina State University, Raleigh, NC** Jan 2022 – Present
 - Computer-Assisted Peer Assessment:**
Researching effects of peer assessments on learning while contributing to an open-source peer learning platform - [Expertiza](#).
 - 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 4 to Rails 6**, modernizing a **7 year+** old system without affecting any functionality.
 - Increased total **test coverage** by **30%** by writing automated unit and integration test cases using **RSpec** and **Cucumber**.
 - Progressively refactored process hindering logic by implementing **optimal design patterns**, resulting in **10%** performance improvement.
- Full Stack Developer, IBM India Pvt. Ltd., Hyderabad, India** Nov 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.
 - Owned development and deployment of “Schedule & Save” feature that lets shoppers place automatic orders in real-time.
 - Built reusable front-end components on **React.js** and backend **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:**
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** 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**.
 - Mentored three graduate hires on project.
- Full Stack Engineer Intern, IBM India Pvt. Ltd., Bangalore, India** Jun 2019 - Nov 2019
 - [Spryly](#) - Work Management System (Open-Source Contribution):**
Spryly is an open-source work management system that facilitates agile team collaboration on live kanban board.
 - Developed **mobile-friendly** web application in **Angular 8**, 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 packages** 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** using **Gitlab CI/CD**, thus automating entire deployment process.

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

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