

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

## TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ECMAScript 2016), Java, Python  
Web Technologies: HTML5, CSS3, CSS pre-processors (SASS, Less, Stylus), Web Sockets, HTTP, REST, SOAP, Client/Server Rendering  
Frameworks: React, Angular, Node.js, Express.js, Ruby on Rails, Karma, Spring Frameworks (Boot, Reactive, Cloud, Security)  
Tools: Browserify, WebPack, Grunt, Gulp, AWS, Git Heroku, Jenkins, NPM, Maven, Tomcat/Nginx, Postman

## 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 7**, modernizing a **10 year +** old system without affecting any functionality.
    - \* Increased total test coverage by **30%** by writing automated 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.
    - \* Developed and rolled out “Schedule & Save” feature in production that lets shoppers set up automatic orders.
    - \* Transformed defined software and UX design into highly usable and efficient user interfaces using **Angular 8** and **Redux**.
    - \* Developed backend microservices on **Spring Reactive** for asynchronous order transactions, ensured **90%+** test coverage and fault tolerance with 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 - Covid Relief:**  
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**.
- **Full Stack Engineer Intern, IBM India Pvt. Ltd., Bangalore, India** Jun 2019 - Nov 2019
  - **Spryly - Work Management System:**  
Spryly is an open-source *data-driven web application* that facilitates agile team collaboration on *live kanban board*.
    - \* Developed reusable front-end components with **Angular 8** and **Redux**, achieved **80%** test coverage with **Karma** tests.
    - \* Engineered highly intuitive components providing data analysis through *Velocity Charts, Epic Burndowns, Product Roadmaps and Story Suggestions* using **ChartJS**, **NodeJS**. The components were integrated in several key projects and reduced development time by **20%**.
    - \* Built **microservices** on **Spring Boot**, **NodeJS** and **RabbitMQ** for asynchronous messaging, achieved **90%** test coverage with **Junit5** tests.
    - \* Developed **NPM packages** on **TypeScript** to achieve **60%** code reusability in Angular front-end and NodeJS back-end.
    - \* 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, Advanced Data Structures

## CERTIFICATIONS

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