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 (ES6), Ruby
Frameworks:	React.js, Node.js, Express.js, Spring Frameworks (Boot, Reactive, Cloud, Security), Ruby on Rails, JUnit, Mockito, Karma
Web Technologies:	HTML, CSS, LESS, SASS, REST, SOAP, Microservices, HTTP, OAuth2, Web Sockets
Databases:	MySQL, 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*
  - **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 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.**
    * Identified and optimized process hindering logic by implementing **optimal design patterns**, resulting in **10%** 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 rolled out "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%+** test coverage, clean and modular code 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*
  - **Spryly** - **Work Management System:**
    Spryly is an open-source 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, achieved **80%** test coverage with **Karma** tests.
    * 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, 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*