

Zeeshan Shaikh

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Education

Stony Brook State University

Master of Science in Computer Engineering, GPA: 3.7/4.0

Aug 2022 – May 2024

Stony Brook, NY

Savitribai Phule Pune University

Bachelor of Engineering in Electronics and Telecommunication, GPA: 8.38/10

Aug 2017 – May 2020

Pune, India

Technical Skills

Languages & Frameworks: Java, Spring Boot, Python, C, C++, C#, Go, SQL, Typescript, Angular, React, Swift, HTML, CSS, Javascript, JUnit.

Database: SQL Server, MySQL, PostgreSQL, Oracle, MongoDB, DynamoDB, Cassandra, Redis, JPA, Hibernate.

Tools & Practices: Azure, Amazon Web Services(AWS), Android, Git, GitHub, Jenkins, Jira, REST API, SOAP, JSON, Linux, Unix, Kafka, Docker, Kubernetes, Selenium, Power Automate, Continuous Integration/Deployment (CI/CD).

Experience

Software Engineer

Oct 2020 – May 2022

Birlasoft

Pune, India

- Collaborated with cross-functional teams to build a Sales Analytics Platform for Denmark-based Bestseller Group, and the platform was built using Java, Spring Boot, Angular v10, Azure, and SQL.
- **Sales Visualization Tool:** Developed scalable backend microservices using Java and Spring Boot to process point-of-sale data for 20 brands, generating near real-time sales metrics as KPIs and reports, and visualized them on a dynamic Angular dashboard to aid executive decision-making.
- **Responsive UI:** Led migration of legacy System Health Monitoring application(frontend) to Angular 10, achieving a 75% reduction in content load time and enabling better user experience for stakeholders.
- **Email Notifier:** Designed scalable system to send up to 50,000 email notifications daily to business leaders with customized reports about their sales-related workflows, using Python and Azure Logic Apps.
- **Testing and Deployment:** Conducted code reviews and wrote unit tests using JUnit, achieving a code coverage of 83% to ensure thorough validation of the code base.

Software Engineer

Jan 2020 – Sept 2020

AlifCloud IT Consulting Pvt. Ltd.

Pune, India

- Designed REST APIs using Java/Spring, and PostgreSQL RDBMS an automobile client Hyundai India.
- Reduced testing time by 50% by developing automation scripts for different levels of testing (System, Performance, Integration, and Regression).

Projects

Wolfie's Bike Android Application | Android, Java, Firebase, NoSQL | [GitHub](#)

March 2023 - Dec 2023

- Designed and developed a bike scheduling Android application using Java and Material UI, which interacts with Firebase to fetch real-time data for Stony Brook University students, addressing bike unavailability tracking issues.
- Features: Google Sign-On using Stony Brook Login, Bike Pick Up and Drop off feature, Real-Time Data for Bike Availability, Tracking of Bike and User, Emergency Requests to Bike Admin Team.

Three tier Architecture on AWS | AWS, Docker

Jan 2023-May 2023

- Built a 3-tier application on AWS that was highly available on three Availability zones and auto scalable by launching EC2 instances for app and web tier, and Amazon RDS for dB tier, dockerized the app and deployed on ECR.

Respiration Monitoring During Sleep | Python, Numpy, Data Analysis, Visualization

Sept 2022- Dec 2022

- Implemented a Python algorithm using data segmentation technique to extract precise respiration data and detect body motion during sleep, achieving 17% better precision than traditional algorithms
- Analyzed UWB sensor signals to identify optimal sleeping position, sensor height, and measurement distance for accurate vital sign monitoring (heart rate, breathing rate) compared to ground truth.

The Apparel Store | Java, Spring Boot, JPA, REST API, Typescript, Angular 10 | [GitHub](#)

May 2020– May 2020

- Developed backend of an E-Commerce Web Application with Spring Boot, implementing product management, cart, user profiles, payments, OAuth, Google Sign-On, and admin order monitoring; deployed on Heroku.
- Created responsive frontend using Angular 10 for product browsing, cart management, user profiles, and secure authentication, ensuring seamless backend integration.