

Zeeshan Shaikh

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EDUCATION

Stony Brook University

Masters of Science in Computer Engineering, 3.83/4.0

Relevant Courses: Data Structures and Algorithms, Computer and Robot Vision, Mobile Sensing Systems, Mobile Cloud Computing, Network Security Engineering, Advanced Digital System Design, Distributed Systems

Stony Brook, NY

Aug 2022 – May 2024

Savitribai Phule Pune University

Bachelors of Engineering in Electronics and Telecommunication, 8.38/10.0

Relevant Courses: Data Structures/Algos, Object-Oriented Design, Operating Systems, Computer Networks, IoT.

Pune, India

Aug 2017 – May 2020

TECHNICAL SKILLS

Languages: Java, Python, C, C++, C#, Go, Typescript, Powershell, Swift, HTML, CSS, Javascript.

Frameworks: Spring Boot, Angular, React, Material-UI, Bootstrap, Microservices, Junit

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

Tools & Practices: Adobe XD, Android, Jira, Git, GitHub, Firebase, Agile, Scrum, Azure, AWS, GCP, REST API, SOA, JSON, Linux, Unix, Kafka, Docker, Kubernetes, Jenkins, Selenium, Power Automate, Continuous Integration/Deployment (CI/CD).

EXPERIENCE

Software Development Engineer

Oct 2020 – May 2022

Birlasoft

Pune, India

- Collaborated with cross-functional teams to build a Sales Analytics Platform for Denmark-based Bestseller Group, built using Java, Springboot, Angular v10, Azure, and SQL.
- **Sales Visualization Tool:** Developed scalable backend microservices using Java and Springboot 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.

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 featuring high availability across three Availability Zones and auto-scaling for the app and web tiers using EC2 instances, with Amazon RDS for the database tier.
- Dockerized the application and deployed it on Amazon ECR, ensuring efficient container management and deployment.

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.
- Performed signal processing and data analysis on the UWB sensor signals and data against the ground truth and concluded the optimal sleeping position, the best sensor height, and the best distance to measure vital signs like heart rate and breathing rate using the UWB sensors.

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

May 2020– May 2020

- Created an E-Commerce Web Application by using cutting-edge frameworks such as Spring Boot, JPA, MySQL, Hibernate, and Angular 10 in a short span of 15 days, and deployed it on Heroku.
- Functionalities include: Add/Remove Products, Cart, User Profiles, Payment Method, Login OAuth Authentication, Google Sign On, Monitoring of Orders by Admin, Admin permissions, etc.

ACHIEVEMENTS

- Recognized as the November 2021 Month's Best Employee of the org for outstanding contributions during the Black Friday Sale, providing on-call assistance and swiftly resolving code issues for 50k+ new sales data.
- Earned the esteemed Annual Manager Select Award at Birlasoft in October 2021 for exceptional contributions to automation projects.