ROHAN BHOWMICK

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EXPERIENCE

Software Engineer | Regions Bank
May 2023 – Aug 2023

- Spearheaded the development of **Python** scripts for **REST API** integration with **GitHub Enterprise Cloud** (GHEC), streamlining the migration from **Azure DevOps** to GHEC, and assisting over **1,000+** bank employees in tracking progress.
- Transformed data into 10+ comprehensive **PowerBI** and **Splunk** dashboards, delivering visualizations and reports for migration status insights.
- Migrated CI/CD pipeline from **Jenkins** to **GitHub Actions**, converting **shell** scripts to **Python** and implementing new workflows, resulting in improved code maintainability and streamlined development process.

Software Engineer | Standard Chartered Bank
Jul 2020 – Aug 2022

- Created and launched an end-to-end customer origination website using **Java/J2EE**, **Spring Boot**, **React**, and **PostgreSQL**, served more than **5 million** customers across Asia.
- Engineered the backend of digital banking application using **Java** hosted on **AWS EC2,** leveraging **Terraform** for IaC, **Amazon Aurora** and **DynamoDB** for efficient database management.
- Developed and maintained backend services for bank applications over 2 years, focusing on API development, bug fixes, and new feature implementation using **Java**, **Spring Boot** and AWS (**API Gateway**, **DynamoDB**, **Aurora**, **Lambda**).
- Archived historical data in **S3**, utilized data in **Amazon Redshift** for data warehousing and analytics, and generated financial and compliance reports with **Power BI** for trend identification and process improvement for bank stakeholders.
- Delivered 8 internal bank applications using **React**, **TypeScript**, **MySQL** and **Java,** streamlining workflows and improving operational efficiency.
- Built CI/CD pipelines using **Jenkins**, **Docker**, **Selenium** and custom scripts for parallel automation and directed builds, releases, and deployments achieving 40 major releases for the fiscal year.

Full Stack Developer | KGE Technologies Pvt. Ltd
Jan 2018 – Feb 2019

- Engineered a robust e-commerce cross-platform portal for a start-up to streamline customer services and online engagement using **Swift**, **Firebase**, **Angular**, **MySQL**, **AWS (EC2, S3)** and **Node.js**.
- Achieved **an 85%** improvement in load times analyzed by **AWS CloudWatch** and **JMeter**, and boosted security with **AWS CloudTrail integration**.

Full Stack Developer | Go Offer HyperLocal Pvt. Ltd
Jun 2017 – Jan 2018

- Conducted **SoapUI** tests to identify bottlenecks and optimized a legacy website with **React**, **Node.js**. Implemented optimizations for location based deals and discounts on an interactive map and configured **IIS** for public access, resulting in an **80%** performance boost.
- Established 20+ **REST APIs** for product deal management and user authentication and deployed the **MERN** stack website on **Linux** server.

PROJECTS

CuseCafeConnect - Application for Syracuse University
Mar 2024 – May 2024

- Created a cross-platform application using **Flutter**, **Java, Spring Boot**, and **MySQL** for Syracuse University's Café, improving work-schedule management and employee communication across 15 cafes, benefiting 600+ employees.

CancerFREE - Website for cancer patients (IOP Conference Volume 925, Issue 1)
Jul 2019 – Oct 2019

- Designed a prediction model-based website with 92% accuracy in detecting diseases, including cancer, from user-provided symptoms; introduced comprehensive informational sections on different cancers, causes and symptoms.
- Implemented feature of tracking nearest multi-specialty hospital for treatment of cancer victims. Made use of **Python**, **Angular**, **Java**, **MySQL** for development. Reduced patient travel time by 40% and elevated treatment accessibility by 30%.

Zschedule - Application for Vellore Institute of Technology
Jun 2017

- Programmed a tracking application using **Android**, **Swift**, **MySQL**, and **Firebase**, enabling students to monitor attendance, courses, and deadlines, and allowing teachers to manage grades and assignments. Deployed university-wide, serving 15,000+ users.

ACHIEVEMENTS

- Awarded honorary distinction for developing college application and 2 national hackathons during under graduation course.
- **Certifications: Microsoft Technology Associate | AWS Associate Solutions Architect | Core JAVA - SV Technologies**.

EDUCATION

Syracuse University, New York, USA
Aug 2022 – May 2024

Master of Science in Computer Science

Vellore Institute of Technology, Tamil Nadu, India
Aug 2016 – Jul 2020

Bachelor of Computer Science and Engineering

TECHNICAL SKILLS

Languages:	Java, JavaScript, Python, C/C++, Shell, HTML/CSS, PHP, XML, TypeScript, Kotlin, Swift, Linux, UNIX
Frameworks:	ReactJS, Angular, Node.js, Vue.js, React Native, Django, Flask, jQuery, GraphQL, Express.js, Flutter, Selenium, Spring Boot
Databases:	SQL, MySQL, MongoDB, PostgreSQL, DynamoDB, SQLite, Firebase
DevOps and Tools:	AWS, Terraform, Azure, Git, Android Studio, PowerBI, Splunk Enterprise, Jasper reports, Docker, Azure DevOps, Jenkins, Unity, SoapUI, VS Code, GitHub Actions, JMeter, Jira, Confluence, Kanban, CI/CD, NLP