BURHANUDDIN JINWALA

Boston, MA 02119 | jinwala.b@northeastern.edu | (617)708-9705| burhanj.in | LinkedIn | GitHub

EDUCATION

Northeastern University, Boston, MA — **May 2024**
Master of Science, Information Systems
- Coursework: Application Engineering and Development, Database Management and Design, Web Design and User Experience

Birla Institute of Technology, India — **May 2022**
Bachelor of Computer Application
- Coursework: Problem Solving using C, JAVA, Python, Software Engineering, Data Structure and Algorithm, Operating Systems

EXPERIENCE

Full-Stack Developer — **November 2023 – Present**
Portalys, Boston
- Engineered a feature integrating Node.js and React.js with PassKit-Generator, enabling users to add tickets to Apple and Google wallets, which improved access and reduced ticket retrieval time by over 30%.
- Implemented two token-based authentication mechanisms using JWT, resulting in seamless user experience and enhanced security.
- Optimized ERC721 smart contract for improved gas efficiency, reducing transaction costs and enhancing performance by 25%.
- Revamped and optimized Node.js API backend code, significantly enhancing performance and maintainability.

Software Engineer — **October 2020 – August 2022**
Varanyam Technologies, India
- Developed a Social Community platform using Python, Django, PostgreSQL, and JavaScript, connecting 200 artists to art galleries and providing digital presence, leading to a 50% increase in sales of local artists.
- Led the design and development of a B2B E-commerce web app using the MERN Stack, RESTful APIs, and implemented CI/CD with Git and Jenkins, boosting quotation rates by 40% and reducing development time by 20%.
- Architected a scalable microservices-based system for the E-commerce platform using Kubernetes, accommodating a 200% increase in user load, improving system stability by 40%, and reducing maintenance costs by 15%.
- Collaborated with cross-functional teams, leveraging Agile methodologies and tools like JIRA, to align technical solutions with strategic business goals and user requirements, resulting in a 20% increase in user satisfaction.

PROJECTS

HostInn: Innovative Stay Booking and Listing Application
- Engineered full stack web app for booking and listing stays, to simplify the process of finding and managing accommodations.
- Utilized TypeScript, Angular, and PrimeNG for a responsive and dynamic frontend, Java Spring Boot for a robust backend, PostgreSQL for reliable data storage, and Auth0 for secure user authentication.

Jinn: AI-Powered Desktop Assistant for Seamless Voice Interaction
- Architected Jinn, an AI-powered desktop assistant capable of listening and responding to voice commands, designed to enhance user productivity and convenience.
- Integrated Python and OpenAI API for intelligent question answering and code generation, utilized SpeechRecognition for accurate voice input, and developed features to open desktop applications, play music, and provide real-time updates like current time.

BookChain: A Blockchain-Based Book Checkout System
- Developed book checkout blockchain using Go, incorporating cryptographic hashing and block validation for secure transactions.
- Implemented core functionalities for data integrity and traceability, enhancing transparency and trust in book management system.

DollarDashboard: Easy-to-Use Expense Tracking Web Application
- Developed DollarDashboard, using React.js and Node.js, enhancing user financial oversight, which improved expense reporting efficiency and reduced error rates in expense logging by 40%, facilitated by collaborative version control using GitHub.
- Designed and launched an advanced admin panel for DollarDashboard, enhancing site administration and user management, with exhaustive testing via Postman contributing to reduction in post-release defects and fortified data reliability.

SKILLS

- **Programming Languages:** Python, JavaScript, TypeScript, Go, Java, C, C++, HTML, CSS, Rust, Linux, Swift
- **Frameworks:** Django, Node.js, Spring Boot, React.js, Express.js, Angular.js, Flask, Swing, Redux, Next.js, jQuery
- **Tools:** GitHub, Visual Studio Code, JIRA, AWS, Jenkins, Postman, MS Office, Swagger, Kubernetes
- **Database:** Relational Database MySQL, PostgreSQL, SQLite, Oracle, NoSQL MongoDB

ACCOMPLISHMENTS

- Secured first place at EthBoston Hackathon 2023 for best use of Waev protocol, organized by BostonDAO.
- Won second prize in the Axelar track during the Harvard Blockchain Conference Hackathon 2023 at Harvard University.
- Triumphed in three categories at LionHack 2023, a joint venture by Columbia University and New York University.
- Earned third place out of 100 contenders in a Hackathon at Harvard University, hosted by EasyA & TRON.