

Bashu Bisht

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EDUCATION

Master of Science in Information Systems

(GPA: 3.8) May 2024

Northeastern University, Boston

Courses: Object Oriented Design, Data Science Engineering with Python, Application Modeling & Design, Data Management and Database Design, Application Engineering and Development (Java), Web Design and Development, UI/UX Design and Development, Building Virtual Environments, Smartphone Application Development

SKILLS

- Programming: JavaScript, Swift, Python, Java/J2EE, Spring Boot, C++, SQL
- Web Technologies: React.js, Node.js, Next.js, Angular, HTML5, CSS, Tailwind, Bootstrap, Firebase, RESTful APIs
- Tools: XCode, AWS, NetBeans, IntelliJ IDE, Hibernate, Jenkins, Visual Studio, GitHub, Balsamiq, FIGMA, Unity
- Databases: MongoDB, MS SQL Server, Snowflake, PostgreSQL

WORK EXPERIENCE

Software Engineer

July 2018 - Dec 2021

Convse.ai | Singapore

- Led the development of a 3D real-estate SaaS tool from scratch using modular **React** components, **Next.js**, **Three.js**, **WebGL**, and **Tailwind CSS** for the frontend, and **Node.js** for the backend, resulting in a responsive and streamlined user experience that increased user satisfaction by 20%.
- Implemented **Micro Frontend architecture** to optimize front-end performance and scalability, ensuring seamless navigation across the platform.
- Designed and implemented **CI/CD** pipelines and automated test cases using **Jenkins**, achieving streamlined development and error-free deployments, thereby enhancing overall software reliability and deployment efficiency.
- Utilized **MongoDB** for secure data storage, resulting in enhanced system reliability, improved data accuracy, and scalable operations to maintain optimal inventory levels.
- **Collaborated** closely with product management team and real estate clients to thoroughly understand their requirements; served as a bridge between technical teams and end users, effectively translating business needs into technical specifications.
- Championed the adoption of **Scrum methodologies (SAFe)** for **agile software development**, leading to improved collaboration, project time management, and delivery of high-quality software products.

Teaching Assistant

Sept 2022 - May 2024

Northeastern University | United States

- Led and instructed 4 weekly lab sessions focusing on **JavaScript** and **full-stack development** using **React.js**, **Next.js**, **MongoDB**, and **Node.js**.
- Introduced **Git/GitHub** for version control and provided personalized support for debugging issues and implementing **JavaScript** unit tests to ensure code reliability.
- Mentored students in **JavaScript**, **HTML**, and **CSS** to build a strong front-end foundation, while guiding them in connecting front-end components to back-end services, such as designing **RESTful APIs**, managing data with **MongoDB**, and creating efficient **Node.js** server-side logic.

PROJECTS

- **E-Commerce Website** (2024): Developed a full-stack e-commerce platform using the **MERN stack (MongoDB, Express.js, React.js, Node.js)** with features like real-time updates, user authentication, and payment integration, using **JavaScript** to enhance user experience and operational efficiency.
Github Link: <https://github.com/bashubisht/E-commerceWebsite>
- **HealthCare Fitness Application** (2024): Led the design and development of an **iOS** application using **Swift**, **SwiftUI**, **Firebase**, **Java** in **NetBeans IDE**, leveraging **OOP** principles, featuring a sleek **UI/UX** with personalized workout and diet plans, and real-time tracking to boost user engagement and outcomes.
Github Link: <https://github.com/bashubisht/iOS-FitnessApp>
- **Emergency Request Dispatch System** (2023): Spearheaded the development of an Emergency Request Dispatch System using **Java**, **Snowflake**, **AWS**, **Java Swing** and **Google Maps API**. Implemented user-centric features and ensured seamless integration with backend systems.
Github Link: <https://github.com/bashubisht/final-project-aed>