Jay Vekariya

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Education

Northeastern University, **Boston, MA** — Expected May 2025
Master of Science, Software Engineering Systems — GPA 4.0
Coursework: Object Oriented Design, Program Structure and Algorithms, Network Structure and Cloud Computing, Advanced Big Data Indexing

Dharmsinh Desai University, **Nadiad, IND** — May 2021
Bachelor of Technology, Instrumentation and Control Engineering

Skills

Languages: JavaScript, Typescript, Java, Python, C, Rust, Bash, GO
Frameworks: React, NextJS, Svelte, Spring boot, Restful API, Node.js, HTML, CSS, Tailwind, ExpressJS
Databases and Cloud: MongoDB, Redis, PostgreSQL, GCP, Terraform, Packer
Software and OS: Git, Visual Studio, Service now, Jenkins, MATLAB, Unix/Linux
Soft Skills: Organization, Team Collaboration, Problem Solving, Critical Thinking

Experience

Infosys Limited, **Bangalore, IND** — Jun 2021 – Jul 2023
Software Engineer
- Architected a custom frontend application using **React**, which lead to a 10% enhancement in sales
- Optimized product information accessibility through a user-centric frontend application, which reduced deal closure time by 20%
- Crafted and maintained automated deployment **bash scripts** and configurations for **Java** middleware components, guaranteeing consistent and efficient deployment operations
- Diagnosed and resolved **Java** middleware configuration challenges, minimizing downtime by 35%
- Established a **Java** middleware server for testing, reducing software delivery and testing periods by 30%

Institute of Plasma Research, **Gandhinagar, IND** — Jan 2021 – Mar 2021
Engineering Intern
- Fabricated a precise temperature control system for a Plasma arc, maintaining optimal temperature levels within necessary ranges
- Coupled sensors and actuators via a **Programmable Logic Controller (PLC)** and created intricate logic for immediate temperature regulation
- Performed exhaustive **testing** and calibration to boost the performance and reliability of the Plasma arc in a specialized setting

Projects

Course Registration — Nov 2023 - Dec 2023
- Engineered a feature-rich course registration website with a sleek **UI** using **React** and **Typescript** for the **frontend** and **Spring Boot** for the **backend**
- Implemented CRUD operations, real-time conflict detection, and total credit limit enforcement
- Devised a time conflict resolution mechanism to eliminate scheduling conflicts

Breadit | 🌐 — May 2023 – Jun 2023
- Developed a user-centric **web application** with an innovative **UI**, mobile compatibility, and dark mode, employing **NextJS** and **Typescript**
- Implemented **OAuth 2.0** features using Google authentication to bolster security and streamline user management
- Integrated a **MySQL** database hosted on the **cloud** to manage user data, alongside **Redis** for response caching to accelerate page load times