Chetan Machhi | Full Stack Developer

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PROFESSIONAL SUMMARY

Full Stack Developer experienced in scalable web and mobile applications using React, React Native, Node.js, Express, and MongoDB, with strong expertise in backend automation, API development, system monitoring, and production support.

SKILLS

Frontend Development: React.js, Redux Toolkit (RTK)**,** TypeScript**,** Tailwind CSS, HTML, CSS
Backend Development: Express.js, Spring Boot, Flask, Node.js, MongoDB, SQL (Structured Query Language), NoSQL, RESTful APIs
Programming Languages: Python, C, Java, JavaScript
Tools: Git, CI/CD, Linux, Jira, Zoho

EXPERIENCE

Full Stack Developer | Frelit Energy | Vadodara | Jun 2025 to Present

- Developed and maintained scalable web and mobile applications using React.js, React Native, TypeScript, Redux Toolkit, and Tailwind CSS.
- Designed, implemented, and maintained RESTful APIs using Express.js and MongoDB for production systems.
- Implemented state management using Redux Toolkit for predictable data flow across web and mobile platforms.
- Built responsive, mobile-first user interfaces optimized for desktop and Android applications.

Application Support Engineer | Phonon.io | Vadodara | Oct 2024 to Jun 2025

- Developed Python (Flask) backend automations with React frontend integration for internal monitoring tools.
- Executed SQL and NoSQL queries for failure analysis and system health monitoring, reducing incident resolution time by 20%.
- Automated recurring backend processes using Linux shell scripting.
- Partnered with telecom clients to resolve real-time issues across SMS, email, and voice platforms with 99% uptime.
- Used Jira and Zoho to manage support tickets, track bugs, and coordinate fixes with cross-functional teams.

Key Projects:

Phonon.io Website Development– Built a fully responsive, high-performance website from a Figma design using React, Spring Boot, and REST APIs, prioritizing mobile-first design and performance optimization.

Delivery Monitoring Bot – Developed a Python-based automated monitoring system for SMS, email, and call delivery verification using MongoDB queries. Integrated Gmail API for real-time updates and implemented automated retry logic, reducing QA effort by 95%.

Flow Activity Monitoring & Automation System – Developed a Python Flask automation tool to track SMS and email flows using MySQL and MongoDB, sending severity-based alerts and disabling inactive flows to eliminate manual monitoring.

IT COURSES / CERTIFICATES

Harvard University – CS50X: Introduction to Computer Science and the Art of Programming (July – 2024)
Harvard University – CS50P: Introduction to Programming with Python (May - 2024)
Meta – React Development (Feb - 2025)
IBM – Developing Backend Applications with Node.js and Express (June – 2025)
IBM - Get Started with Cloud Native, DevOps, Agile, and NoSQL (November - 2025)

EDUCATION

MCA (Pursuing) | Sigma University | 2025 - 2027
BSc Chemistry | Shri Govind Guru University | *2018 – 2021*

ACADEMIC PROJECTS

Real-Time & Bulk Email Dispatch Application – Built a full-stack web application to send emails in real time via API or in bulk using CSV uploads, replicating part of Phonon's core functionality. Implemented backend APIs using Spring Boot and built a dynamic React frontend, ensuring responsive UI and reliable email delivery.

Price Prediction – Developed a web application to predict asset prices using data from two APIs and user-selected strategies. Created as the final project for CS50X and CS50P, applying concepts in data retrieval, algorithmic processing, and interactive UI design.