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## HITANSHU SHAH

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### EXPERIENCE

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#### Lynked Inc. (Sagacity Software), Software Developer, Canada

March 2024 – Present

*Tech Stack: Nuxt.js, Next.js, React, Vue, PostgreSQL, Docker, AWS, TypeScript, GoLang, Nest.js, Odoo, Python*

- Led the migration of a **React/Laravel** monolith to Dockerized **microservices**, improving deployment speed by **25%** and increasing uptime from **90% to 98%**.
- Managed **AWS** (S3, EC2 and CDN) for efficient asset delivery, reducing average page load times from **5sec to 2sec**.
- Engineered **5+ microservices** using **Next.js, Nuxt.js, Vue, and TypeScript**, improving API response times by **30%** and reducing frontend bundle sizes by **35%** through code splitting.
- Led **Python** based **Odoo** migration for inventory modules, reducing manual data entry by **60%** for **25** internal users.
- Designed a high throughput request routing proxy in **GoLang** and **Nest.js** handling **5000+** requests/hour, increasing concurrent user capacity from **900 to 1,000** users.
- Refactored and Indexed **PostgreSQL** queries, reducing average query time by **15%** across all microservices.
- Mentored **4** junior developers through code reviews and **TypeScript** best practices improving onboarding speed.
- Enhanced CI/CD pipelines with parallel builds and optimized **Docker** images, reducing deployment time by **1 hour**.

#### Tata Consultancy Services, Systems Engineer, India

June 2021 – June 2022

*Tech Stack: Machine Learning, MongoDB, Python, Django, React*

- Developed a **Python** based smart mortgage recommendation engine using **Naive Bayes** and advanced **ML** techniques, improving prediction accuracy from **60% to 80%**.
- Designed a **Django** based **API framework** with **MongoDB** for 1000+ documents storage and retrieval daily.
- Refactored **React** based frontend for seamless user interaction, eliminating redundant requests, increasing transaction requests from 800 to 1,000 daily, and reducing error rate from **5% to 2%**.

#### Tech Truffle Technologies, Full Stack Developer, India

Aug 2019 – May 2021

*Tech Stack: Java, Spring Boot, MySQL, Angular*

- Built **Java** based backend service using **Spring Boot** for real time review platform serving **2M+** users, reducing API latency by **10%** through database query optimization and caching strategies.
- Diagnosed and resolved database bottlenecks by implementing **MySQL** indexing and query optimization, reducing notification delivery time from **4s to 2s** and improving **Angular** frontend load time by **30%** through lazy loading.

### PROJECTS

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All projects listed below are self hosted on home server, demonstrating server management and hands-on **DevOps** experience through containerization with **Docker**, **Caddy** as a reverse proxy for automatic HTTPS, **Minio** for file storage and a **centralized OAuth** for secure authentication serving **30+ users** and processing **50+** daily sessions.

**AI Resume Generator** (*Next.js, Django, Python, Ollama, PostgreSQL*): <https://resumegenerator.live/>

- Engineered AI based resume optimizer using Ollama LLM to refactor resumes to job descriptions in real time.
- Developed frontend with Next.js for live editing, smart formatting, and state management using Zustand.
- Implemented Django backend and middleware to handle AI communication, authentication, and template storage.
- Integrated Ollama for context aware suggestions with stateless JWT demo mode, receiving 100+ requests each day.

**Webb Style - Website Builder** (*Nuxt.js, Vue, GoLang, Tailwind, PostgreSQL, Minio*): <https://webbstyle.com>

- Built a website builder for creating portfolio websites with automated domain management and hosting.
- Engineered domain management with subdomain creation and custom domain integration using API keys.
- Created GoLang middleware for session validation and used Caddy On-Demand TLS for domain verification.
- Designed website templates with customizable color schemes, supporting 30+ active users, with 10 pro users.

**Projects Board** (*Vue, Laravel, Inertia, PostgreSQL, Minio*): <https://projectsboard.live/>

- Developed a project management platform used by 15+ active users to showcase their work.
- Implemented a multi-tenant portfolio system with customizable subdomains and public/private visibility controls.
- Developed custom subdomain URL to serve projects that can be shared publicly.

**Design Pad** (*React, Fastify, PostgreSQL, Minio, Typescript, Authetik*): <https://designpad.demo.hitanshushah.com/>

- Built an email builder for 20+ users, enabling template creation and customization for emails and posters.
- Supports blocks creation that can be styled and customized using a built in customization panel.
- Added a demo mode with tour guide to explore features, with session data resetting every 15 minutes.

## TECHNICAL SKILLS

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- **Frontend:** React, Vue, Angular, Tailwind, Nuxt.js, Next.js.
- **Backend:** GoLang, Nestjs, Laravel, Fastify, Spring Boot
- **Languages:** Python, Java, PHP, JavaScript, TypeScript
- **Database:** MySQL, PostgreSQL, MongoDB
- **DevOps:** Docker, Caddy, AWS, Nginx, Git
- **Platforms:** Odoo

## EDUCATION

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**Western University, Canada** - Master's in Computer Science  
CGPA - 3.9/4.0

**Aug 2022 - Dec 2023**

**Mumbai University, India** - Bachelor's in Information Technology  
CGPA - 9.03/10

**June 2017 - May 2021**

## PUBLICATIONS

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**Published Paper in 2021 IEEE Asian Conference on Innovation in Technology**, 4th October, 2021.

*"EDRA – An Emotion Health Detection and Recognition Assistant"*, ISBN: 978-1-7281-8403-6

Link: <https://ieeexplore.ieee.org/document/9544973>

## CERTIFICATION

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- AWS Cloud Practitioner