

Premkumar Patel

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SUMMARY

Detail-oriented **Full-Stack Web Developer** with **over 1 year** of professional experience building scalable web applications using JavaScript, Python, ReactJS, and NodeJS. Proven ability to **consult with clients and stakeholders to define requirements, prepare comprehensive technical documentation and manuals**, and ensure high-quality, high-performance delivery through rigorous testing and optimization. Passionate about solving technical challenges in e-commerce and Internet applications.

SKILLS

Backend & Frameworks — JavaScript, Node.js, Express.js, RESTful APIs, Python, OAuth, API Integration

Frontend & Libraries — React, HTML5, CSS3, TailwindCSS, Bootstrap, Responsive Design

Database — MongoDB, MySQL, Redis, SQL Server



Tools & Platforms — Git, GitHub, JIRA, Slack, Trello, Postman

DevOps & Cloud — CI/CD, AWS (S3, DynamoDB, Textract, SageMaker)

PROFESSIONAL EXPERIENCE


Yiion Systems, Software Developer 

05/2022 – 11/2022

- **Consulted with internal teams to develop and document Website requirements** for a **full-stack Learning Management System (LMS)**  and **Web Site** , supporting over 8,000 active users.
- Wrote, modified, integrated, and tested software code (**ReactJS, NodeJS**) for core functionalities and external systems, including **payment gateway** and **Zoom APIs**.
- **Prepared reports and technical manuals** detailing the status, operation, and maintenance procedures for the platform.
- **Conducted quality controls** by optimizing database queries (**SQL**) and server response times, directly improving content optimization and platform performance.
- Provided **ongoing support and consultation** to the product team after feature rollouts, **maintaining 99% platform uptime**.

Groveza Digital Private Limited, Software Developer 

11/2021 – 04/2022

- Designed and developed scalable backend solutions for high-performance **movie streaming** and **DVR systems (Modulus M2)**  using **Python** and **C++**, supporting concurrent streaming for multiple simultaneous users without degradation.
- Enhanced data management systems by **researching and evaluating interactive media software products** and implementing query performance improvements, **reducing system latency by 20%**.
- **Tested and implemented performance optimizations** for UHD 4K video streaming, successfully increasing throughput and delivering a superior user experience.

Groveza Digital Private Limited, Intern - Software Developer


09/2021 – 10/2021

- Assisted in **designing, developing, and testing production software applications** to meet **functional requirements** and **code quality** standards.
- **Collaborated with senior developers** to implement **scalable architecture patterns** while gaining **hands-on exposure** to **Python** and **C++** in a **production environment**.
- **Managed sprint tasks efficiently, met project deadlines**, and maintained clear **stakeholder communication**.

PROJECTS

FreshFromFarm — Full-stack Marketplace (E-commerce Focus), MERN Stack 

- **Tech Stack:** Node.js, Express, React, MongoDB (Mongoose), Tailwind CSS, JWT, Multer, Nodemailer
- **Full-Stack E-commerce Architecture:** Designed a complete marketplace featuring a modular RESTful API (Node/Express/MongoDB) to manage critical e-commerce data (users, produce, orders) and a dedicated Merchant Dashboard (React/Tailwind CSS).
- **Robust Security Implementation:** Engineered a secure authentication system utilizing short-lived JWT access tokens, HTTP-only refresh token cookies, OTP email verification, and integrated Google OAuth for flexible sign-in.
- **Complex Integration & UI Development:** Built the merchant-facing SPA with state management via Context Providers, and implemented secure file upload handling (Multer) and integrated Nodemailer for transactional email flows.


AI Recruiter, AWS Cloud Machine Learning 

- **Tech Stack:** AWS Services (**S3, DynamoDB, Textract**, Transcribe, Comprehend, Cognito, SageMaker), Python, JavaScript
- Developed an **intelligent, cloud-based solution** on **AWS** (SageMaker, Textract) that implemented a complete ML pipeline to **analyze resume** and **interview content**.
- The solution generates quantifiable alignment scores and actionable insights for recruiters, enabling **data-driven hiring decisions**.

Traffic Collision Analysis and Prediction (KSI Dataset), Machine Learning | Data Analysis 

- **Tech Stack:** Python (Pandas, Scikit-learn, XGBoost, Matplotlib, Seaborn)
- Analyzed **18,190+ collision records** from the **KSI Dataset**, employing advanced data preprocessing and feature engineering to identify critical high-risk patterns.
- Built and optimized high-performance classification models (**XGBoost**), achieving **87% accuracy** in predicting accident severity after leveraging **SMOTE** to handle class imbalance.

EDUCATION

Advance Diploma, Centennial College 

01/2023 – 04/2024 | Canada

- Software Engineering Technology

Bachelor of Engineering, Smt. S. R. Patel Engineering College (GTU) 

04/2017 – 05/2021 | India

- Computer Engineering