

# Premkumar Patel

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## SUMMARY

Detailed-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

**Ylion 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