

Sunil Kumar Pasupuleti

Full-Stack Developer

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📍 Kitchener, Ontario

SUMMARY

Entrepreneurial Full-Stack Developer with 5+ years of experience delivering scalable web and mobile solutions that drive measurable business outcomes. Progressed from intern to lead developer across startups, enterprises, and U.S.-based organizations including the Illinois Institute of Technology. Proven track record of completing 100% of projects across finance, healthcare, education, and e-commerce sectors. Expert in React, Node.js, TypeScript, React Native, Express, MongoDB, Firebase, AWS, and modern CI/CD pipelines.

Launched impactful products, including a real-time finance app with 12,000+ live bank integrations and multiple revenue-generating LMS and e-commerce platforms. Consistently delivers quantifiable results: reduced manual processes by 50%, boosted application performance by 30%, and maintained 100% client satisfaction across 10+ successful projects. Adept at blending technical excellence with product strategy, Agile collaboration, and stakeholder management—ready to bring full-stack expertise and cross-functional leadership to drive organizational growth.

LinkedIn: [linkedin.com/in/sunil-kumar-pasupuleti/](https://www.linkedin.com/in/sunil-kumar-pasupuleti/)

GitHub: github.com/sunilpasupuleti

SKILLS

Frontend Development : HTML5, CSS3, JavaScript (ES6+), TypeScript, React.js, Angular.js, Redux, Bootstrap, Tailwind CSS, jQuery, Responsive Design, Cross-Platform UI, UI/UX Development

Backend Development : Node.js, Express.js, Python, Java, RESTful API Design, API Integration, Socket.io, Microservices Architecture

Databases : MongoDB, MySQL, Firebase Firestore, SQLite, NoSQL, WatermelonDB

Mobile Development : React Native, iOS and Android Deployment, Cross-Platform Development, Apple App Store Connect, Google Play Developer Console, Mobile App Deployment

Cloud Platforms & Services : AWS (EC2, S3, Lambda, CloudWatch), Firebase (Firestore, Hosting, Functions), Google Cloud Platform (GCP), Cloud Deployment, Cloud Architecture, CDN Configuration (Cloudflare, Firebase CDN)

DevOps & Infrastructure : Docker, CI/CD Pipelines, GitHub Actions, NGINX Configuration & Reverse Proxy Setup, Virtual Private Server (VPS) Management, Domain & DNS Management

Development Tools & Environment : Visual Studio Code (VS Code), Postman, Git/GitHub, Linux/Terminal (basic ops), Virtual Private Server (VPS) Management, Domain & DNS Management

Data & Analytics : Chart.js / Data Visualization Tools, Kibana, Elastic Search

Content Management & E-commerce : WordPress (Custom Themes & Plugins)

Technology Stacks : MERN Stack (MongoDB, Express.js, React.js, Node.js), MEAN Stack (MongoDB, Express.js, Angular.js, Node.js)

Authentication & Security : Firebase Authentication, User Authentication Systems, Secure API Development

Soft Skills & Management : Leadership, Remote Collaboration, Project Scoping, Problem Solving, Client Communication, Agile/Scrum, Jira/Trello (basic usage)

EXPERIENCE

Founder (Sole Proprietor)

01/2023 - Present

Webwizard

- Founded and operate a freelance development firm delivering web and mobile applications for small businesses and startups
- Led end-to-end development using MERN stack, Firebase, and WordPress with a focus on performance and scalability
- Delivered over 10+ client projects, including e-commerce sites, LMS systems, and booking platforms
- Managed client communication, project scoping, and post-deployment support, ensuring 100% client satisfaction
- Integrated DevOps practices, including CI/CD pipelines, GitHub Actions, and AWS/Firebase hosting solutions

Full Stack Developer & Cloud Engineer

10/2023 - 03/2024

Datavalley.ai

- Developed and maintained a Learning Management System (LMS) using the MERN stack (MongoDB, Express.js, React.js, Node.js)
- Built secure, scalable APIs and dynamic front-end interfaces to support real-time course delivery and user engagement
- Designed and deployed cloud-native infrastructure on AWS, including EC2, S3, Lambda, and CloudWatch for monitoring
- Designed cloud-native architecture, including auto-scaling, logging, and monitoring for system performance and uptime
- Collaborated with cross-functional teams to ensure smooth integration between frontend, backend, and cloud environments

App Developer

06/2023 - 10/2023

Green Dumbbells

- Developed a cross-platform gym management app using React Native, compatible with both iOS and Android
- Implemented core features such as workout tracking, member login, and class scheduling with responsive UI
- Integrated Firebase for real-time database, user authentication, and cloud-based content management
- Applied mobile app performance optimization techniques, reducing load times and improving stability
- Added push notifications and dynamic navigation to enhance user engagement and retention

Full Stack Developer & DevOps Engineer

05/2023 - 07/2023

Codegnan IT Solutions Pvt Ltd

- Designed and implemented a Learning Management System (LMS) using the MERN stack with integrated admin and user modules
- Gained practical exposure to cloud architecture, containerization, and deployment pipelines
- Deployed applications using CI/CD workflows and configured staging environments on AWS and Firebase
- Integrated RESTful APIs and dynamic routing to support real-time user activity tracking and course management
- Collaborated with cross-functional teams to manage end-to-end development and deployment

Associate Software Engineer (Intern)

10/2022 - 12/2022

Firewires Solutions

- Managed and supported development of an IoT-based application for real-time device monitoring and data flow
- Explored and contributed to cloud infrastructure design for scalable and secure IoT integration
- Gained hands-on experience with queue-based communication systems such as RabbitMQ and AWS SQS
- Assisted in optimizing data transfer and backend integration between IoT devices and cloud services
- Strengthened practical knowledge of IoT platforms, cloud architecture, and message-driven system design

MERN Stack Developer (Intern)

08/2022 - 09/2022

Kasper Tech

- Developed a real-time Inventory Management System using the MERN stack (MongoDB, Express.js, React.js, Node.js)
- Built interactive front-end components with React.js and implemented server-side APIs using Node.js and Express
- Collaborated with cross-functional teams to ensure end-to-end feature integration and bug resolution
- Gained hands-on experience in full-stack application development and RESTful API integration

UI/UX Developer (Intern)

08/2022 - 09/2022

FIRM.DEV

- Developed responsive and visually appealing user interfaces using HTML, CSS, and JavaScript
- Implemented smooth animations and transitions to enhance front-end interactivity and user experience
- Improved UI load time by approximately 20% through performance optimization techniques

Full Stack Developer

12/2021 - 11/2022

Track Tech Solutions

- Developed custom automation web applications to streamline business operations and reduce manual workload
- Built a cross-platform Visitor Management System (VMS) for iOS and Android, enabling real-time visitor tracking and meeting logs
- Designed secure admin panels with dynamic dashboards to monitor employee–visitor interactions and analytics
- Implemented data visualization features using chart libraries to display real-time metrics and visitor trends

Full Stack Developer (Intern)

05/2021 - 03/2022

Urbn Mnky

- Developed and maintained the main IIT Chicago website (<https://iconsense.iit.edu>) with dynamic, database-driven content and responsive UI
- Designed and implemented an admin CRM panel enabling 100% web-based CRUD operations for images and text, reducing manual update time by 50%
- Built the ILSAMP site (<https://ilsamp.iit.edu>) using WordPress and custom PHP plugins for secure, scalable content management
- Applied WordPress Custom Post Types, theme development, and JavaScript integrations to enhance site functionality and user experience
- Optimized front-end performance by minimizing asset load and implementing lazy loading, improving page speed by approximately 30%

Full Stack Developer (Freelance + Intern)

09/2021 - 12/2021

Zypher

- Contributed to real-time web application development using React.js, Node.js, Express.js, and MongoDB
- Collaborated on both front-end and back-end tasks, ensuring full-stack delivery with clean, modular code
- Designed RESTful APIs and implemented database schemas, enabling efficient CRUD operations
- Optimized application performance, reducing load times by approximately 30% through code refactoring
- Completed all project deliverables on schedule with a 100% task completion rate

Frontend Developer (Intern)

09/2021 - 11/2021

Blobcity

- Designed and implemented 100% responsive web pages compatible with all screen sizes and modern browsers
- Translated Figma-based UI/UX designs into high-quality front-end code using HTML5, CSS3, and JavaScript
- Improved page load speed by approximately 25% through optimization of front-end assets and structure
- Ensured cross-browser compatibility, enhancing accessibility across Chrome, Firefox, Safari, and Edge
- Contributed to an Agile development workflow, attending sprint meetings and code reviews with senior developers

Full Stack Engineer (Intern)

07/2021 - 10/2021

Alhansat Technologies

- Built a complete e-commerce web application from scratch using HTML5, CSS3, JavaScript, and Firebase
- Developed interactive UI components and client-side logic using vanilla JavaScript and jQuery
- Integrated Firebase Authentication and Firestore database to manage users, products, and orders
- Ensured mobile responsiveness and UI consistency across all major browsers and screen sizes
- Delivered the final application on time, achieving 100% functionality and client acceptance

- Contributed to IoT-based systems by designing and implementing backend architecture for real-time data acquisition
- Connected hardware sensors to a cloud-based real-time database to stream and store machine-generated data
- Developed backend logic to update IoT metrics every minute, ensuring continuous and accurate data logging
- Built automated dashboards with graph and flowchart visualizations to analyze incoming sensor data in real time

PROJECTS

Expenses Aura – Personal Finance Manager App

Founder - Cross-Platform Personal Finance App

Explore the app live across all platforms to see real-time bank sync, AI-powered insights, and intelligent finance tracking in action.

Live Links:

Website: <https://expensesmanager.app>

Android App: <https://play.google.com/store/apps/details?id=com.webwizard.expensesmanager&hl=en>

iOS App: <https://apps.apple.com/in/app/expenses-aura-track-smart/id6450874945>

Expenses Aura is a cross-platform, offline-first personal finance management app designed to help users track spending, manage loans, analyze budgets, and sync real-time bank data securely. Built with scalability and privacy in mind, it combines native performance with advanced features like automation, AI, and real-time analytics.

- Bank Sync Integration: Integrated Plaid API for real-time bank account linking, balance fetching, and automatic transaction sync from over 12,000 banks
- Smart Analytics Dashboard: Developed visual insights with charts showing income vs. expense trends, category-wise distribution, monthly reports, and daily summaries
- Loan & EMI Module: Engineered an advanced loan management system with support for fixed EMI, reducing balance logic, amortization schedule, and real-time prepayment recalculations
- Automated Reminders & Notifications: Scheduled EMI due date alerts, upcoming bill reminders, and budgeting warnings using local push notifications
- Offline-First Architecture: Leveraged WatermelonDB for fast and reactive local storage, optimized for large-scale financial datasets with offline sync and real-time updates
- Secure Cloud Backup & Sync: Used Firebase Storage & Firestore to store encrypted user data backups with AES encryption, tied to individual UIDs for privacy
- SmartScan Parsing: Implemented OCR parsing for SMS and receipts, allowing instant entry of offline transactions with auto-categorization and merchant recognition
- DevOps & Cloud Hosting: Backend microservices hosted on VPS (India) with Cloudflare Argo for global API acceleration, auto-deployed via GitHub Actions & Docker
- Modular Architecture: Clean codebase with context-based state management, modular service structure, and reusable API logic

Frontend: React Native (iOS & Android), Tailwind CSS, Moti, Chart.js, React Navigation, BottomSheetModal, OneSignal Push Notifications

Backend & APIs: Node.js, Express.js, Plaid API, OpenAI GPT, RESTful APIs, Microservices (Vercel), Firebase Auth, Firestore, Firebase Functions

Storage & Database: WatermelonDB (offline-first ORM), SQLite, MongoDB

DevOps & Cloud Hosting: Docker, Docker Containers, Watchtower, GitHub Actions, GitHub Workflows (CI/CD), VPS (Linux), NGINX Reverse Proxy, Cloudflare CDN, Argo Smart Routing, Firebase Hosting, Firebase Storage

Illinois University Web App (ICONSense) – Illinois Institute of Technology (IIT) -

<https://iconsense.iit.edu>

- Designed and developed a fully responsive university web application for Illinois Institute of Technology (IIT), Chicago
- Built a custom CRM-based admin panel for dynamic content editing, image uploads, and section management

- Used PHP, JavaScript, MySQL, and Bootstrap to implement back-end logic and front-end layout
- Enabled secure role-based access and streamlined content workflow for university staff

ILSAMP – Illinois Institute of Technology (IIT) - <https://ilsamp.iit.edu>

- Developed a fully responsive and accessible website for Illinois Institute of Technology (IIT), Chicago
- Built a secure CRM-based admin panel to manage content updates, images, events, and contact forms
- Ensured high performance, SEO optimization, and cross-browser compatibility

Multi E-Commerce Platform

- Built a dynamic multi-category e-commerce platform using the MEAN stack (MongoDB, Express.js, Angular, Node.js)
- Designed Admin CRM panel to manage products, categories, variants, stock by size, promo codes, and email campaigns
- Integrated OTP-based authentication, geolocation-based delivery tracking, and newsletter subscriptions
- Enabled complete user journey: product browsing, wishlist, cart, order tracking, and post-delivery reviews

Slice Game

- Developed an interactive fruit slicing browser game using vanilla JavaScript, HTML5, and CSS3
- Implemented game mechanics including mouse/touch gesture detection, object movement, and score tracking
- Added sound effects, life counters, and reset functionality to enhance gameplay

Emoji Mover

- Created a fun and interactive emoji animation web app using vanilla JavaScript, HTML5, and CSS3
- Utilized DOM event listeners and gesture handling for smooth cross-device functionality
- Ensured mobile and desktop responsiveness with consistent visual experience

Stopwatch

- Built a simple and responsive stopwatch web application using vanilla JavaScript, HTML, and CSS
- Enabled start, pause, reset, and lap functionalities with accurate millisecond tracking

Personal Blog

- Developed a personal blog platform using PHP and MySQL, enabling content publishing, comment access, and post management
- Created a secure admin panel for creating, editing, and deleting blog posts with media upload functionality
- Designed a responsive front-end UI optimized for mobile and desktop using HTML, CSS, and minimal JS
- Hosted the blog on a VPS with SSL certificate and integrated Cloudflare CDN for fast global access

Visitor Management System

- Built a complete Visitor Management System with a mobile app for visitors (Android – React Native) and a web-based admin dashboard
- Admins can track, log, and analyze all meetings between employees and visitors, with data organized by date and user
- Developed secure authentication, session tracking, and real-time data sync between mobile app and backend

Hospital Clinic Appointment System

- Developed a clinic appointment booking system using PHP, MySQL, and JavaScript, allowing patients to book appointments online
- Integrated automated email and SMS alerts for real-time notifications to doctors and clinic admins
- Built a secure admin dashboard to manage doctors, appointments, schedules, and generate daily appointment analytics

Online Ordering System – srisaibakthanjaneyasweets.in

- Developed a complete online food ordering system using PHP, MySQL, and JavaScript
- Built a responsive user interface and shopping cart for browsing products, placing orders, and checking out seamlessly
- Created a secure admin dashboard for managing products, orders, categories, pricing, and daily sales reports

- Deployed the system on a VPS with SSL encryption, custom domain, and Cloudflare CDN for improved speed and security

WebWizard – Personal Portfolio

- Designed and developed a responsive portfolio website using React.js, Tailwind CSS, and Framer Motion for smooth animations
- Showcased professional background, 15+ projects, resume, and contact form with validation and form handling
- Hosted on a Virtual Private Server (VPS) with custom domain, SSL certificate, and Cloudflare CDN for performance and security
- Integrated Google Analytics for user behavior tracking and deployed through CI/CD pipelines

E D U C A T I O N

Web Development Conestoga College, Institute of Technology and Advanced Learning - Master's Degree	01/2024 - 04/2025
<ul style="list-style-type: none">• Achieved 84.84% overall, graduating with Distinction in web development.• Developed and deployed a Full-Stack Learning Management System as part of the capstone project.• Gained hands-on experience in CI/CD pipelines, Agile methodology, and responsive UI/UX design.	
Information Technology Dhanekula Institute of Engineering & Technology (DIET) - Bachelor of Technology (B.Tech)	2019 - 2023
<ul style="list-style-type: none">• Strong foundation in data structures, object-oriented programming, and networking• Achieved a CGPA of 7.15/10 across eight academic semesters	
Intermediate (12th Standard) Narayana Junior College	2017 - 2019
<ul style="list-style-type: none">• Achieved a CGPA of 9.94/10, ranking in the top 5% of the class	
Secondary School Certificate (10th standard) Nirmala E.M High School	2016 - 2017
<ul style="list-style-type: none">• Achieved a CGPA of 8.8/10 in the SSC Board Examination	

C O U R S E S

AWS Certified Cloud Practitioner (CLF-C01) Amazon Web Services (AWS)
<ul style="list-style-type: none">• Gained foundational knowledge of AWS cloud infrastructure and global architecture• Learned core AWS services including EC2, S3, RDS, Lambda, and CloudFront• Understood principles of security, shared responsibility model, billing, and pricing• Applied knowledge to support real-time deployments on VPS and Firebase-backed cloud systems

C E R T I F I C A T E S

The Complete Web Developer Course 2.0 Udemy	02/2021 - Present
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LANGUAGES

English
Hindi

Telugu