VIMAL V

Senior Software Engineer with 6.1 years of experience building scalable applications.

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CERTIFICATIONS:

FintechOS – Digital Developer (Insurance & Banking) -
Score: 96.4%

PROFESSIONAL SKILLS:

Primary: React.js, Node.js, MongoDB , JavaScript , AWS

Secondary: Angular, Python/Django, PostgreSQL, MySQL, TypeScript, CICD

Tools: Git, JIRA, Figma, PM2, Nginx, Docker, Shell Scripting, Third-Party APIs (Razorpay, Stripe, Google APIs, SecureCo, Zoho Suite, Payment Gateways)...

CORE COMPETENCIES:

Full-Stack Development, UI/UX Design with Figma, Cloud Architecture (AWS/GCP), DevOps & CI/CD Automation, RESTful API Development, Database Design & Optimization, Third-Party API Integration, Agile/Scrum Methodology, Problem Solving, Rapid Prototyping

EDUCATION:

Bachelor of Science (Computer Science) from University of Madras - Guru Nanak College in year 2015 to 2018 with 82%

PREVIOUS ORGANISATIONS:

INCEDO INC (OCT 2025 - FEB 2025)
CDP360 Pvt Ltd (Dec 2021 - Aug 2025)
Qmax Systems India Pvt. Ltd (Jan 2020 - Dec 2021)

WORK EXPERIENCE:

Worked as Senior Software Engineer in enterprise products. Responsibilities included Full-Stack Development, Cloud Deployment, API Integration, Database Architecture, and CI/CD Pipeline Management for scalable applications.

SUMMARY OF KEY PROJECTS

Project 1: IOP Module Enhancement (Client Version) INCEDO

Client Description:

• Verizon Communications is a leading American telecommunications company providing wireless services, broadband, enterprise network solutions, and digital communication services to millions of customers globally. The company offers advanced connectivity solutions, cloud services, IoT platforms, and enterprise-grade infrastructure to support large-scale business operations.

Project Duration: 1 months

Project Description:

• Worked on the IOP module for the client application, focusing on backend enhancements and API development. The project involved upgrading existing functionalities, improving database interactions, and optimizing overall module performance.

Role: Senior MERN Stack Developer

• Developed and added new backend APIs using **Node.js**.
• Converted and optimized existing SQL queries into Node.js ORM-based APIs.
• Refactored the complete IOP module backend structure for better performance and scalability.

Technologies used:
Node.js, SQL, ORM,, MongoDB, REST APIs, AWS (EC2, S3), Git, Jira

Platform: Cloud

Project 2: CDP360 – CRM & Analytics Platform

Client Description:

• CDP360 is a comprehensive CRM platform designed to manage customer workflows, visualize campaign analytics, and capture leads with integrated communication channels (SMS, Email, Calls) and marketing platforms (Instagram, WhatsApp, YouTube, Facebook, Google Ads)

Project Duration: 9 months

Project Description:

• CRM application for managing customer lifecycle, campaign analytics, and multi-channel communication.

Role: Full-Stack Developer

• Responsible for end-to-end development and maintenance of scalable MERN stack applications.
• Developed and maintained RESTful APIs and backend services using Node.js and MongoDB.
• Built responsive and reusable UI components using React.js.Integrated third-party APIs for payments, communication, and marketing platforms.
• Handled cloud deployment, CI/CD pipelines, and application monitoring on AWS.

Technologies used: React.js, Node.js, MongoDB, REST APIs, AWS (EC2, S3), Git, Jira

Platform: Cloud

Key activities:

• Designed CRM workflows and analytics dashboards for sales and campaigns
• Integrated multi-channel communication and marketing platform data
• Implemented behavioral tracking and managed AWS deployment with CI/CD

Project 3: Pet Insurance Platform – FintechOS Platform

Client Description:

• PHIS (Australia) pet insurance platform built on FintechOS ecosystem, focusing on customer onboarding, secure payments, and insurance workflow automation.

Project Duration: 8 months

Project Description:

• Collaborated with PHIS to develop a comprehensive pet insurance platform using FintechOS no-code/low-code tools with focus on secure payment processing and data migration.

Role: Full-Stack Developer

• Completed Digital Developer Certification in Insurance & Banking with 96.4% score in 1.5 months.
• Designed and built dynamic UI screens using FintechOS low-code components.
• Integrated SecureCo API for secure credit card processing with dial-pad entry and tokenized data flow.
• Implemented intelligent address autocomplete with geolocation, state, and postal code capture.
• Developed and executed Python scripts for migrating existing user and insurance data.
• Configured insurance engine for business rules, policy pricing, and claims workflows.
• Collaborated in an Agile environment using Jira for sprint management and feature delivery.

Technologies used: FintechOS, SecureCo API, Intech API, JavaScript, Python, HTML/CSS, Jira, SQL

Platform: On-Prem

Key activities:

- Designed dynamic UI screens using FintechOS components
- Integrated secure credit card payment APIs
- Implemented address auto-complete and validation logic
- Developed Python scripts for data migration
- Configured insurance rules, pricing, and claims workflows
- Worked in Agile sprints and collaborated with stakeholders

Project 4: Tag Management System (Custom GTM Alternative)

Client Description:

- Custom analytics platform similar to Google Tag Manager for behavioral tracking and user engagement analysis.

Project Duration: 5 months

Project Description:

- Built a comprehensive analytics platform using JavaScript tracker to capture user behavior including scroll depth, clicks, sessions, geolocation, and routing paths with real-time dashboard visualization.

Role: Full-Stack Developer:

- Developed and deployed a lightweight JavaScript tracking library for client website integration.
- Implemented comprehensive behavioral tracking: scrolls, clicks, session duration, geolocation, and cookies.
- Built scalable Node.js + MongoDB backend for data collection and real-time processing.
- Created interactive React.js dashboard for real-time user engagement visualization.
- Enabled customer journey mapping and engagement popups for conversion optimization.
- Integrated automated SMS, Email, and WhatsApp workflows for user conversions.
- Deployed complete solution on AWS with load balancing, SSL, PM2, and CI/CD automation.

Technologies used: JavaScript, React.js, Node.js, MongoDB, AWS (EC2, S3, Load Balancer, PM2), REST APIs, Geo-IP, GitHub Actions/Jenkins (CI/CD)

Platform: Cloud

Key activities:

- Developed lightweight JavaScript tracking library
- Captured clicks, scroll depth, sessions, and geo-location
- Built scalable backend APIs for high-volume data processing
- Enabled automated engagement via SMS, Email, WhatsApp
- Deployed application on AWS with CI/CD pipelines

Project 5: ICC Chess Game Application

Client Description:

  • Online gaming platform providing real-time multiplayer chess experiences.

Project Duration: 9 months

Project Description:

  • Developed a real-time multiplayer chess game with live interactions, move validation, and payment-based premium features.

Role: Full-Stack Developer:

  • Developed frontend using React.js and Redux for state management and real-time UI updates.
  • Integrated Stockfish engine for move validation and advanced analysis features.
  • Implemented multiplayer functionality using Socket.IO for real-time move communication.
  • Built robust backend APIs with Node.js and managed user/game data with MongoDB.
  • Integrated Google SSO for authentication and implemented role-based access control.
  • Enforced COPPA compliance by implementing age validation logic for US users.
  • Integrated payment gateway for premium feature transactions.
  • Managed development using JIRA with Agile methodology and sprint-based planning.
  • Used Git for version control and collaborative development across feature branches.
  • Participated in daily stand-ups, sprint planning, and retrospectives.
  • Deployed on GCP for frontend, backend, and Google API integration.

Technologies used: React.js, Redux, Node.js, Express, MongoDB, Socket.IO, Stockfish, Google SSO, Payment Gateway (Stripe/PayPal), Git, JIRA, GCP, AWS

Platform: Cloud

Key activities:

  • Developed frontend using React.js and Redux for state management and real-time UI updates
  • Integrated Stockfish engine for chess move validation and analysis
  • Implemented real-time multiplayer gameplay using Socket.IO
  • Built backend APIs and managed user and game data with MongoDB
  • Integrated Google SSO with role-based access control
  • Implemented COPPA age validation logic for US users
  • Integrated payment gateway for premium feature transactions
  • Deployed frontend, backend, and Google APIs on cloud infrastructure

Project 6: Python/MEAN Developer - Qmax Systems India Pvt. Ltd

Client Description:

  • Industrial AI and IoT solutions provider focusing on real-time sensor data analysis, automation, and predictive systems for manufacturing and process industries.

Project Duration: 10 months

Project Description:

 • Worked on AI-powered and IoT-based applications involving real-time data collection, processing, and visualization. Developed backend services, automation scripts, and interactive dashboards to support industrial sensor systems and calibration machines.

Technologies used: Python, Node.js, Angular, MongoDB, MQTT, REST APIs, Linux,

git

Platform: Cloud

Key activities:

 • Designed a real-time sensor data pipeline to capture chemical composition readings and transmit data using MQTT protocol
 • Enabled scalable data logging by storing sensor data in a cloud-based database for analysis
 • Developed Node.js backend services and RESTful APIs to manage device communication and control logic
 • Integrated backend services with Angular frontend for live data streaming and visualization
 • Built interactive Angular dashboards for real-time monitoring, historical analysis, and remote device control
 • Developed reusable UI components and custom charts with proper state management and error handling
 • Created Python automation scripts for sensor data acquisition, signal processing, calibration routines, and system diagnostics