

VIVEK AMETHIYA

Senior Full-Stack Software Engineer | React · Angular · Node.js · TypeScript · Python · Cloud

Ahmedabad, Gujarat, India | +91 76219 86219 | amethiyavivek@gmail.com | linkedin.com/in/vivek-amethiya

PROFESSIONAL SUMMARY

Senior Full-Stack Software Engineer with 7+ years at Zymr building and scaling cloud-native applications across fintech, cybersecurity, and healthcare. Deep expertise in React, Angular, Node.js, and TypeScript, with hands-on experience in Python and .NET / C#. Proven technical lead — owns system architecture, drives key engineering decisions, and mentors developers. Experienced in microservices, event-driven systems (Kafka, BullMQ), real-time applications (WebSockets), automated ETL pipelines, and RESTful API design across AWS, Azure, and GCP, backed by MongoDB, PostgreSQL, and MSSQL. Working knowledge of LLM integration, RAG, and agentic AI workflow automation.

CORE COMPETENCIES

Full-Stack Architecture • Microservices & Event-Driven Design • ETL & Data Pipelines • Real-Time Systems • Multi-Tenant SaaS • Cloud-Native Development • API Design • CI/CD Automation • Application Security & RBAC • Agentic AI & LLM Integration • Technical Leadership & Mentoring

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, C#, SQL, HTML5, CSS3

Frontend: React, React Native, Angular (8+), Redux, D3.js, HighCharts, Sass, jQuery

Backend: Node.js (Express, Fastify), Python (FastAPI), .NET Core, Razor Views, Microservices, RESTful APIs, Mongoose, TypeORM, Prisma

AI Integration: LLM APIs (OpenAI / Anthropic), LangChain, LangGraph, Langfuse, Dify, LangFlow, Model Context Protocol (MCP), RAG, prompt engineering, function / tool calling, AI guardrails, n8n

Databases: MongoDB, PostgreSQL, MySQL, MSSQL, ClickHouse, Elasticsearch, Redis

Messaging / Realtime: Apache Kafka, BullMQ, WebSockets, AWS SNS, Agora (video/audio), Debezium (CDC)

Cloud & DevOps: AWS (Lambda, S3, EC2, API Gateway, SQS, SNS), Azure, GCP, Terraform (IaC), Docker, CI/CD pipelines, Git

Testing & Tools: Jest, Jasmine, Karma, Cypress, Playwright, Postman, Swagger, Jira

Security & Auth: OAuth 2.0, JWT, SSO, RBAC, Auth0, Identity Server

Practices: Agile / Scrum, Domain-Driven Design, TDD, code review

PROFESSIONAL EXPERIENCE

Zymr Systems Pvt. Ltd. | Ahmedabad, India | Aug 2019 – Present

Senior Software Engineer | 2021 – Present

Software Engineer | Aug 2019 – 2021

Delivered full-stack development, system architecture, and technical leadership across client and internal projects in healthcare, fintech, cybersecurity, and retail technology. Key projects (most recent first):

Project: Clinician Core (Current) — [Healthcare](#) · [Telehealth & Care Coordination](#)

- Developing core features of a multi-tenant healthcare platform across web (React) and mobile (React Native), with a Python backend on AWS and Auth0 authentication.
- Built real-time chat over WebSockets, with push notifications delivered through AWS SNS and an AWS Lambda notification pipeline.
- Designed a scheduling system — calendar invites, slot booking, shared availability, automatic conflict detection, and live meeting-status updates — on PostgreSQL.
- Integrated the Agora SDK for in-app video and audio calls between clinicians and patients.
- Implemented user management with RBAC permissions and multi-tenant data isolation across organizations.

Project: ETC Brokerage Services (eHUB) — [Fintech](#) · [Brokerage](#) / [Self-Directed Investing](#)

- Architected a high-scale automated ETL system moving data from MSSQL to MongoDB, delivering reliable daily synchronization with full data consistency for investor accounts.
- Engineered a Node.js / TypeScript microservice architecture using Apache Kafka and BullMQ for async job orchestration, with Debezium change data capture and SFTP transfer.

- Led the project as technical lead — owned architecture decisions across stack and cloud, mentored engineers, and drove Jest test automation that reduced production defects by ~15%.

Project: Gradient Cyber — [Cybersecurity](#) · [Managed Detection & Response \(EDR/XDR\)](#)

- Developed core features of an EDR/XDR platform that ingests and correlates security data across endpoints, networks, and cloud workloads for threat detection and response.
- Co-architected a centralized, scalable ingestion and analytics pipeline (Rust, Go, Python, Kafka, Cassandra, Elastic) across a hybrid environment with automated response workflows.
- Served as technical lead — translated requirements into architecture, owned key technical decisions, and mentored peers.

Project: Palo Alto Networks — [Cybersecurity](#) · [SaaS Security Posture Management](#)

- Developed core SSPM modules in Node.js (TypeScript) to identify, report, and auto-remediate security misconfigurations against a defined ruleset.
- Built decoupled connectors for 100+ SaaS applications, enabling modular scanning and centralized reporting from a single platform.

Project: Virsec Systems — [Cybersecurity](#) · [Workload Protection](#)

- Developed a CI/CD automation tool for multi-cloud security deployment that discovers the target environment and auto-configures network and compute resources.
- Built an Angular and D3.js dashboard visualizing multi-AZ cloud deployment blueprints, including an interactive tree view.
- Designed backend microservices with clear separation of concerns, improving maintainability and deployment speed.

Project: Marbet (Würth Group) — [RetailTech](#) · [Event Management ERP](#)

- Developed core modules of a large-scale Event Management ERP in Angular and .NET (Razor Views / .NET Core) covering event logistics, supply chain, vendors, and financials.
- Built a multi-tenant Guest Management System on microservices (Angular, .NET Core, Azure Postgres, Key Vault, Identity Server) with Docker CI/CD, RBAC, DDD, and TDD.

Project: Face Recognition Platform — [Internal](#) · [AI/ML & IoT](#)

- Built an AI/ML face-recognition system (Python, OpenCV, SVC, deep learning) integrated with IoT cameras for touchless office entry and automated attendance logging.
- Developed Python connectors for door control and HR-system integration, with an Angular front end and an analysis pipeline on GCP.

PERSONAL PROJECTS

Project: BooksERP — [End-to-End Accounting Software for Indian SMBs & CA Firms](#)

Tech: *React, TypeScript, React Native, Node.js (Fastify), PostgreSQL, Python (FastAPI)*

- Built an end-to-end accounting platform with web and mobile clients on a Node.js / Fastify backend and PostgreSQL.
- Developed a bank-statement intelligence engine that parses uploaded statements, auto-categorizes transactions, and exports to Tally, BUSY, Miracle, and Profit NX formats; OCR parsing runs in an isolated Python FastAPI service.
- Designed white-labeling and plan-based feature gating for multi-tenant SaaS delivery.

Project: Doctor Consultation & e-Pharmacy Platform — [Healthcare](#)

- Built a patient–doctor consultation platform with consultation slot booking, calendar scheduling, and automated appointment invitations.
- Implemented scheduled consultation calls between patients and doctors.
- Added an online medicine store module for ordering and selling medicines.

EDUCATION

Bachelor of Engineering, Information Technology — Gujarat Technological University (GTU), 2019

Diploma, Information Technology — Gujarat Technological University (GTU), 2016

TRAINING & COURSES

Anthropic Academy: Building with the Claude API • Introduction to Model Context Protocol • Introduction to Agent Skills • Claude Code in Action

AWS: AWS Cloud Quest – Cloud Practitioner (training program)