Ansif P. Ibrahimkutty
Expert Senior Software Developer · Co-Founder

SUMMARY

- 18+ years in software engineering with expertise in C++, Qt/QML, Python, Django, Node.js, React, and AI integration using OpenAI APIs.
- Proven track record in building end-to-end production software including embedded automotive HMI, multi-tenant SaaS platforms, and AI-driven web applications.
- Led design and development of complex systems such as multi-app payroll/HRMS platforms, AI-powered recruitment automation, and supply-chain optimization backends.
- Strong background in database management (PostgreSQL, MySQL, SQL Server), cloud infrastructure (Docker, GCP Cloud Run), and REST API design.

TECHNICAL SKILLS

Main Technical Skills	C/C++/C# (10 yr.), Python (6 yr.), Django REST framework (3 yr.), Node.js (3 yr.), React (3 yr.)
Programming Languages	Python (6 yr.), Solidity (1 yr.)
Android Libraries and Tools	Android APIs (3 yr.)
C++ Libraries and Tools	C/C++/C# (10 yr.)
PHP Frameworks	CodeIgniter (3 yr.)
Python Frameworks	Django REST framework (3 yr.)
JavaScript Frameworks	Express (3 yr.), Node.js (3 yr.), React (3 yr.)
AI & Machine Learning	OpenAI (3 yr.)
Java Frameworks	Spring Boot (1 yr.), Struts 2 (1 yr.)
JavaScript Libraries and Tools	Web3.js (1 yr.)
Data Analysis and Visualization Technologies	ETL Pipelines (3 yr.)
Databases & Management Systems / ORM	MySQL (3 yr.), PostgreSQL (3 yr.), Redis (3 yr.), SQLite (3 yr.)
Cloud Platforms, Services & Computing	GCP (3 yr.), Zoho (1 yr.)
SDK / API and Integrations	Android APIs (3 yr.), RESTful API (3 yr.)

Virtualization, Containers and Orchestration	Docker (3 yr.)
Operating Systems	Embedded Linux (6 yr.)
Web/App Servers, Middleware	Nginx (3 yr.)
Blockchain and Decentralized Software	Truffle (1 yr.)
Mail / Network Protocols / Data transfer	UDP (2 yr.)
Codecs & Media Containers	VC-1 (2 yr.)
Other Technical Skills	HMI (6 yr.), PLC (3 yr.), spree (1 yr.), Wt (2 yr.)

WORK EXPERIENCE

Backend Developer (contract) - Quantyf (AI-powered supply-chain optimization)

Duration: Jun 2025 – Nov 2025
Summary: Development of a Python backend for a supply-chain 'what-if' optimisation product, providing REST API design for scenario input, run-status, and results integration with the product UI.
Responsibilities:

- Designed REST APIs for scenario input, run-status, and results.
- Integrated solver runs with the product UI.
- Conducted structured code reviews on core algorithm modules.

Technologies: Python · REST · optimisation services

Co-Founder & Principal Developer - Sevendyne (Sevendyne platform)

Duration: Dec 2016 – present
Summary: Designed and built Sevendyne's multi-app platform including Payrolls HRMS, Jobs portal, Academy, CRM/outreach, and infrastructure services to support client software delivery and dedicated engineering teams.
Responsibilities:

- Led technical delivery and platform design.
- Developed payroll runs, payslips, client invoicing, and statutory compliance workflows.
- Built employer/candidate workspaces and interview coordination APIs.
- Implemented candidate progress tracking and topic-test scoring APIs with embedded dashboard authentication.
- Developed CRM and lead-finder modules integrated with jobs pipeline.
- Managed infrastructure using Docker Compose, GCP Cloud Run, and nginx path routing.
- Oversaw India payroll and statutory compliance operations.

Technologies: Django · Next.js · Node.js · SQLite · Docker Compose · GCP Cloud Run · nginx

Full-Stack / AI Developer - CSR Informatics GmbH (Zoho Recruit automation)

Duration: 2024 – 2025
Summary: Automated candidate search and import processes for Zoho Recruit using Python and OpenAI, including SQL loaders and operator review workflows to ensure recruiter approval before records went live.
Responsibilities:

- Developed Python scripts integrating OpenAI APIs for candidate search and import.
- Implemented idempotent SQL loaders for data consistency.
- Created operator review screens and workflow gates for recruiter approvals.

Technologies: Python · OpenAI · Zoho REST · SQL Server

Full-Stack / AI Developer - CSR Informatics GmbH (E-commerce AI pipeline)

Duration: 2023 – 2024
Summary: Developed an AI-driven e-commerce data pipeline involving a Rails/Spree application, Python scrapers with OpenAI attribute extraction, and ETL processes into SQL Server for catalogue and operations dashboards.
Responsibilities:

- Built Rails/Spree e-commerce application.
- Developed Python scrapers utilizing OpenAI for attribute extraction.
- Implemented ETL pipelines into SQL Server for data aggregation and dashboarding.

Technologies: Rails · Spree · Python · OpenAI · SQL Server

Full-Stack / AI Developer - CSR Informatics GmbH (Restaurant analytics)

Duration: 2022 – 2023
Summary: Developed a multi-site restaurant analytics platform with Angular frontend, Spring Boot backend services, and heavy SQL aggregation visualized using Apache eCharts for KPI reporting.
Responsibilities:

- Implemented Angular frontend for analytics dashboards.
- Developed Spring Boot backend services handling data aggregation.
- Performed complex SQL queries for multi-site KPI aggregation.
- Integrated Apache eCharts for data visualization.

Technologies: Angular · Spring Boot · SQL · Apache eCharts

Full-Stack Developer - Niaga Prestasi (TLMS logistics)

Duration: Sep 2019 – May 2022
Summary: Developed and re-architected a Malaysia–Singapore freight logistics platform handling thousands of live shipments daily, improving transaction layer stability and operator UI.
Responsibilities:

- Re-architected Laravel transaction layer with queue workers to resolve sync deadlocks.
- Developed Vue.js operator user interface.
- Maintained MySQL database and Redis caching.

Technologies: Laravel · Vue.js · MySQL · Redis

Full-Stack Developer - Niaga Prestasi (Payment CRMs)

Duration: Sep 2019 – May 2022
Summary: Built multi-tenant CodeIgniter CRM systems for wallet, merchant, and logistics payment channels, including payment adapter layers and Android/web QR checkout flows.
Responsibilities:

- Developed multi-tenant CRM using PHP and CodeIgniter.
- Implemented payment adapter layers for various channels.
- Created Android and web QR code checkout flows.

Technologies: PHP · CodeIgniter · Android

Full-Stack Developer - Niaga Prestasi (Ethereum property wallet)

Duration: 2020 – 2021
Summary:

- Developed a React-based wallet UI for Ethereum property transactions, including Solidity smart contracts, Truffle deployment pipelines, and Web3
- js multi-network transaction support

Responsibilities:

- Developed React wallet user interface.
- Wrote Solidity smart contracts for property wallet functionality.
- Managed Truffle deployment pipelines.
- Integrated Web3.js for multi-network Ethereum transactions.

Technologies: React · Solidity · Truffle · Web3.js

Senior Software Developer - Sevendyne (German navigation pod)

Duration: 2016 – 2019
Summary: Developed embedded C++ software on Linux for real-time navigation features in a German navigation pod project, collaborating directly with German product leads.
Responsibilities:

- Developed embedded C++ software for real-time navigation.
- Collaborated with German product leads for feature delivery.

Technologies: C++ · embedded Linux

Senior Software Developer - Sevendyne (UK automotive / industrial programmes)

Duration: 2016 – 2019
Summary: Provided software and automation delivery for long OEM programmes involving PLC/SCADA bench coordination with UK technical leadership in automotive and industrial sectors.
Responsibilities:

- Delivered software and automation solutions for OEM programmes.
- Coordinated PLC/SCADA bench testing with UK technical teams.

Technologies: C++ · automation tools

Senior Software Developer - Sevendyne (Trading-system Qt desktop)

Duration: 2016 – 2019
Summary: Developed low-latency C++/Qt/Wt trading desk applications with adapter layers over proprietary market-data libraries and multi-window operator layouts.
Responsibilities:

- Developed trading desk desktop applications using C++/Qt/Wt.
- Implemented adapter layers for proprietary market-data libraries.
- Designed multi-window operator layouts for trading workflows.

Technologies: C++ · Qt · Wt

Freelance Software Developer (Wise Owl property-admin platform)

Duration: 2015 – 2016
Summary: Developed a property administration platform handling tenants, brokers, and listings using C++ and Wt framework.
Responsibilities:

- Developed backend and frontend components for property administration.

Technologies: C++ · Wt

Freelance Software Developer (Montal 2D game UI)

Duration: Jan 2013 – Feb 2015
Summary: Developed 2D game user interface using Qt and QML including screens, object scaling, and gameplay mechanics.
Responsibilities:

- Designed and implemented game UI screens and mechanics.
- Handled object scaling and interactive gameplay elements.

Technologies: Qt · QML

Freelance Software Developer (Quality Education Holdings fingerprint attendance apps)

Duration: Jan 2012 – Jan 2013
Summary:

- Developed fingerprint attendance applications using
- NET and C# for educational institutions

Responsibilities:

- Developed attendance tracking applications with fingerprint integration.

Technologies: .NET · C#

Software Engineer - HexoSys Sdn Bhd (USB protocol tester)

Duration: Sep 2009 – Sep 2011
Summary: Developed USB protocol testing tools including Qt/VC++ debug console and TCP/

UDP validation on embedded hardware.
Responsibilities:

- Developed debug console using Qt and VC++.
- Performed TCP/UDP validation on embedded hardware.

Technologies: Qt · VC++

Software Engineer - Integral / UCI Technologies (VC++ USB modelling application and trading utilities)

Duration: 2006 – 2009
Summary: Developed VC++ USB modelling application (Pathmodeler), trading utilities, and CAD tooling, providing foundational embedded and systems software.
Responsibilities:

- Developed USB modelling and trading utility applications.
- Created CAD tooling software.

Technologies: VC++

EDUCATION

- **B.E. Computer Science**
  TKM College of Engineering, Kerala University
  2002–2006