

Melvin Mathew

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Personal Details

- Date of Birth : 03/10/2002

Professional Summary

Software Engineer with over 3 years of professional experience in designing, developing, deploying, and maintaining business-critical software systems. Experienced in building ERP platforms, CRM systems, mobile applications, AI-powered SaaS products, IoT monitoring solutions, and enterprise business automation software. Demonstrated ability to independently manage complete software lifecycles, including requirement gathering, business workflow analysis, database design, API development, mobile application development, cloud deployment, and long-term maintenance. Worked directly with clients across multiple industries including retail, agriculture, logistics, tourism, education, and manufacturing, delivering production systems currently used by businesses in India and Kuwait.

Key Achievements

- Delivered multiple production software systems across ERP, CRM, AI, IoT, marketplace, logistics, tourism, and business automation domains.
- Designed and implemented complete ERP platforms including Accounting, CRM, Procurement, Inventory Management, HR, Payroll, and Reporting modules.
- Developed and deployed mobile applications published on both Google Play Store and Apple App Store.
- Built AI-powered business intelligence and IoT monitoring systems currently operating in production environments.
- Worked directly with business owners, founders, and department heads to gather requirements and translate operational workflows into scalable software solutions.
- Successfully delivered several end-to-end software projects as a sole developer, covering architecture, development, deployment, and ongoing maintenance.

Experience

- **Coreminds Innovations Pvt Ltd** May 2023 - Present
Full Stack Software Engineer
Started career in website development and progressively transitioned into full-stack application development, mobile development, and enterprise software architecture.

Key Responsibilities & Contributions

- Delivered production software solutions across ERP, CRM, IoT, SaaS, logistics, and marketplace domains.
- Designed and developed web and mobile applications using Laravel, Flutter, Vue.js, MySQL, and PostgreSQL.
- Built RESTful APIs, authentication systems, reporting modules, and business automation workflows.

- Designed databases, business processes, and system architectures based on client requirements.
- Managed cloud deployments using Docker, Linux VPS environments, AWS infrastructure, GitHub Actions, and automated backup systems.
- Collaborated directly with stakeholders to analyze operational workflows and convert them into software solutions.
- Maintained and enhanced production systems used by businesses across India and international markets.

• **Freelance Software Development**

January 2025 - Present

Full Stack Software Engineer

Provide end-to-end software consulting, architecture design, development, deployment, and maintenance services for clients across retail, export, and business automation domains. Delivered ERP systems currently operating in production environments in India and Kuwait.

Projects

• **Sellit – AI-Powered Business Intelligence Platform**

Designed and developed a subscription-based business intelligence platform combining business directories, digital storefronts, and AI-generated strategic recommendations.

Highlights:

- Developed an AI-assisted business analysis system that evaluates operational metrics and generates business improvement recommendations using OpenAI models.
- Implemented subscription management for Android and iOS platforms.
- Designed custom business storefront generation with public-facing business profiles.
- Deployed and maintained AWS-hosted infrastructure with automated deployment pipelines.
- Implemented historical analysis storage and retrieval for long-term business performance tracking.

• **Fleet Management System**

Developed a fleet operations platform used by a transportation company managing 10+ buses and multiple drivers.

Highlights:

- GPS-based attendance verification.
- Driver audit and inspection workflows.
- Vehicle maintenance management.
- Emergency roadside assistance workflows.
- Operational reporting and analytics.

• **GreenGuard IoT Monitoring Platform**

Designed an IoT monitoring platform processing telemetry from agricultural machinery at 5-second intervals with 30-day historical analytics.

Highlights:

- Integration with IoT devices transmitting telemetry every 5 seconds.
- Real-time monitoring of machine health and performance.
- Historical analytics and alerting systems.
- Mobile and web-based management tools.

• **Kaivila Agricultural Marketplace**

Developed a mobile marketplace platform connecting farmers, buyers, and agricultural facilitators.

Highlights:

- Designed configurable marketplace workflows connecting farmers, buyers, and agricultural facilitators (FPCs).
- Implemented real-time bidding and rebidding mechanisms supporting concurrent buyer participation.
- Developed real-time chat, notifications, and marketplace communication features.
- Designed dynamic product visibility workflows allowing products to progressively expand from local markets to district, state, and national audiences based on configurable business rules.
- Published and maintained mobile applications on both Android and iOS platforms.

- **Prime Gate ERP (Kuwait)**

Designed and implemented a complete ERP solution for a retail distribution company operating in Kuwait.

Modules included:

- CRM
- Procurement
- Inventory Management
- Accounting
- HR & Payroll
- Reporting & Analytics

Highlights:

- Implemented complete accounting workflows including Chart of Accounts, Journal Entries, General Ledger, Trial Balance, Profit & Loss, Balance Sheet, Accounts Receivable, and Accounts Payable management.
- Full accounting system implementation.
- Docker-based deployments.
- Automated backups and CI/CD.
- Active production deployment.

- **BOMAT Agro Export ERP**

Designed and implemented an ERP platform for an agricultural export company.

Highlights:

- Procurement workflows for farmer sourcing.
- Export documentation management.
- Inventory and accounting modules.
- Direct collaboration with company founders and department heads during requirements gathering.

Skills

- **Languages & Frameworks**

PHP, Laravel, CodeIgniter, Dart, Flutter, Vue.js, JavaScript

- **Databases**

MySQL, SQLite, Firebase, PostgreSQL

- **Cloud & Infrastructure**

Docker, Linux VPS, AWS, GitHub Actions, CI/CD, Amazon S3

- **Software Engineering**

REST API Development, Database Design, System Architecture, Business Process Automation, ERP Development, CRM Development, Mobile Application Development

Education

- **Mar Sleeva College of Arts and Science, Murickassery** 2023
Bachelor of Computer Application (BCA)
- **St. Mary's Higher Secondary School, Murickassery** 2020
Higher Secondary Education

Languages

- English
- Hindi
- Malayalam

Additional Information

- Published mobile applications on Google Play Store and Apple App Store.
- Experience working directly with international clients.
- Experience delivering and maintaining production software systems.