



JOYAL VARGHESE

Software Engineer

📞 +971 568450406 ✉️ joyalvarghese458@gmail.com 📍 United Arab Emirates
🌐 linkedin.com/in/joyal-varghese-68aa6a243 🌐 joyal.myportfoliowebsite.com

Full-Stack Developer with hands-on experience in building web and ERP applications using React JS, Next JS, Nest JS, Express JS, Node JS, PostgreSQL, and MongoDB. Skilled in developing RESTful APIs, responsive user interfaces, and secure backend systems. Passionate about scalable architecture, clean code, and continuous learning in Agile environments.

EXPERIENCE

SOFTWARE DEVELOPER & IT SUPPORT

Feb 2026 – Present

Erick Trading LLC, United Arab Emirates

- Designed and developed a full-stack, multi-branch Enterprise Resource Planning (ERP) system from scratch, consisting of a centralized administration portal and a dedicated branch operations portal.
- Built modules for HRMS, recruitment, payroll, accounting, procurement, inventory, expenses, marketing, and government relations.
- Built responsive React dashboards for head-office management, approvals, reporting, and business analytics.
- Developed branch workflows for stock management, deliveries, reorder requests, expenses, marketing requests, employee attendance, leave, and shift rosters.
- Implemented facial-recognition attendance, role-based access control (RBAC), screen-level permissions, multi-level approval workflows, PDF/Excel generation, document management, and PWA capabilities.
- Developed secure REST APIs using NestJS, Prisma ORM, PostgreSQL, and JWT authentication; integrated AWS S3 for document/file storage and used Docker for application infrastructure.
- Supported deployment, staging/UAT, production troubleshooting, user access management, and day-to-day IT support for head-office and branch users.

Tech Stack: React 19, TypeScript, Vite, Ant Design, Tailwind CSS, TanStack Query, NestJS, Prisma ORM, PostgreSQL, JWT, AWS S3, Docker, Jest.

MERN STACK DEVELOPER

June 2024 – Oct 2025

Reon Technologies, India

- Designed and deployed a full-scale ERP system (Accounting, Sales, CRM, HRMS, Inventory, Rental, Repair) using React.js, NestJS, TypeScript, and PostgreSQL, reducing manual workflows by 40%.
- Accelerated frontend performance by 30% via dynamic imports, code-splitting, and Redux optimization; built and optimized RESTful APIs with Prisma and PostgreSQL, cutting bug reports by 35%.
- Enhanced data security with authentication, encryption, and role based access control (RBAC); boosted team productivity by 25% and sprint velocity by 20% through Agile practices and CI/CD pipelines.
- Streamlined onboarding by 40% via detailed documentation, Postman collections, and Swagger driven API visibility.

MERN STACK DEVELOPER INTERN

July 2023 – Feb 2024

Luminar Technolab, India

- Gained hands-on experience building full-stack web applications using React.js, Node.js, Express.js, and MongoDB, contributing to UI design, API integration, and debugging in Agile team projects.
- Built responsive and interactive front-end components using React Hooks, Bootstrap, and RESTful APIs.
- Learned version control using Git/GitHub and implemented basic authentication and CRUD operations.

SKILLS

Frontend	React.js, Next.js (App Router), Redux, Context API, Tailwind CSS, Bootstrap, Axios, Media Queries
Backend & APIs	Node.js, Express.js, NestJS, REST APIs, Next.js API Routes, JWT Auth, Nodemailer
Database	PostgreSQL, MongoDB, MySQL, Prisma, TypeORM
Tools	Docker, Git/GitHub, Jira, Linux, Agile, Security Best Practices
Testing & Optimization	Unit Testing, Performance Optimization
Languages	JavaScript, TypeScript

PROJECTS

Enterprise Resource Planning (ERP) System — Erick Trading LLC, United Arab Emirates

Designed and developed an end-to-end, multi-branch ERP platform from scratch for centralized head-office management and branch operations, covering HRMS, recruitment, payroll, accounting, procurement, inventory, expenses, marketing, attendance, leave, shift rostering, approval workflows, reporting, and document management.

Technologies: React 19, TypeScript, NestJS, Prisma ORM, PostgreSQL, JWT, AWS S3, Docker.

Yasmac Equipment Rental and Repairing LLC, United Arab Emirates

Developed a comprehensive ERP system for managing construction equipment rental and repair services, covering Rental, CRM, HRMS, Purchase, Sales, Accounts, and Invoices. Built using React.js, NestJS, and PostgreSQL, ensuring automation, scalability, and secure data handling; optimized workflows to reduce manual operations across departments.

AK Prefab – Modular Building Solutions, United Arab Emirates

Engineered a custom ERP platform for prefab building manufacturing and container rental management, covering CRM, HRMS, Purchase, Sales, Accounts, and Invoices. Leveraged React.js, NestJS, and PostgreSQL for high-performance, reliable dashboards; streamlined prefab production tracking and rental workflows across Dubai and the wider UAE.

EDUCATION

2020–2023

Calicut University, India

BSC Computer Science

Coursework: OOP, Software Engineering, Data Structures, RDBMS, Cybersecurity Basics, AI/ML Fundamentals, TensorFlow, Data Preprocessing, Communication Skills, Troubleshooting