

# Devaraj P V

Cherthala, Alappuzha, Kerala | 9142621622 | [devarajperayil327@gmail.com](mailto:devarajperayil327@gmail.com) | <https://www.linkedin.com/in/devdevaraj> | <https://github.com/devdevaraj> | <https://devaraj.dev>

## PROFESSIONAL SUMMARY

---

Full-stack and systems-oriented software engineer with experience building cloud-based development platforms using MERN, Go, Docker, and Firecracker microVMs. Strong in backend architecture, real-time systems, and infrastructure design, with a focus on performance, isolation, and scalability.

## EXPERIENCE

---

### Software Engineer

velense Technologies Pvt. Ltd.

September 2024—Present

- Developed and maintained scalable web applications using React, Next.js, Node.js, and MongoDB across multiple projects.
- Built and integrated RESTful APIs, ensuring efficient data handling and seamless frontend-backend communication.
- Designed and developed a cloud-based code playground using MERN stack, Docker, Go, and Firecracker microVMs to provide isolated execution environments.
- Implemented containerized and microVM-based sandboxing to securely run user code with strong process and network isolation.
- Converted static HTML and Bootstrap interfaces into reusable, component-based React/Next.js applications.
- Optimized application performance and improved code maintainability through modular architecture and best practices.
- Worked with Git-based workflows and collaborated in team environments for feature development and bug fixes.
- Supported deployment processes using DevOps tools, including CI/CD pipelines and containerization.

### MERN Stack Developer & Trainer

Synnefo Solutions

June 2023—September 2024

- Developed full-stack web applications using React, Node.js, Express, and MongoDB for internal and client-facing projects.
- Designed and implemented RESTful APIs, ensuring efficient data flow and reliable backend services.
- Built responsive and interactive user interfaces with React and Next.js, improving usability and performance.
- Guided junior developers and students through real-world project development, including code reviews and debugging support.
- Created structured learning materials and hands-on exercises aligned with current industry practices in web development.
- Assisted in deploying applications and managing environments using Git, CI/CD workflows, and containerization tools.
- Troubleshoot and resolved application issues, improving stability and overall user experience.

### Freelance Developer

Self-Employed

April 2018—June 2023

- Developed and delivered static and dynamic websites using HTML, CSS, JavaScript, Bootstrap, and jQuery based on client requirements.
- Built responsive user interfaces and ensured cross-browser compatibility across different devices and screen sizes.
- Implemented interactive features and client-side logic to enhance usability and user experience.
- Collaborated directly with clients to gather requirements, provide technical solutions, and deliver projects within timelines.
- Maintained and updated existing websites, fixing bugs and improving performance where required.

- Wrote and tested programs in C and C++ for academic and utility-based use cases.
- Managed multiple freelance projects independently, ensuring quality and timely delivery.

---

## PROJECT

---

### Smart Space – Cloud Development & Training Platform

Distributed Systems / Full-Stack • <https://lab.synnefo.in>

- Built a cloud platform for on-demand isolated coding environments using Firecracker VMM, Docker, Go, and MERN stack.
- Developed orchestration services for container lifecycle, networking, and WebSocket-based terminal access.
- Leveraged Redis, and dynamic DNS (PowerDNS) for high-performance provisioning.
- Designed isolated network per environment using custom bridge subnets.
- Reduced provisioning time by ~80% using ZFS snapshots.

### Tritha – Temple Billing Management System

Full-Stack Desktop Application • <https://panel.tritha.cloud>

- Built a cross-platform billing system using React, Electron, Node.js, and MongoDB with JWT-based RBAC.
- Developed advanced billing workflows with recurring orders, receipt generation, and analytics dashboards.
- Integrated custom Malayalam transliteration engine for efficient regional text input.

### SaveDate – Event Invitation Platform

Full-Stack Web Application • <https://savedate.me>

- Architected a Next.js + Express platform for creating customizable, media-rich event websites.
- Designed hybrid DB architecture using MongoDB.
- Implemented image processing (HEIC conversion, cropping) and QR-based sharing with Google Maps integration.

---

## EDUCATION

---

### Btech computer science (Incomplete)

Collage of engineering Cherthala • 2018 - 2022

---

## SKILLS

---

Languages: JavaScript (ES6+), TypeScript, Go (Golang), Dart, C, C++

Frontend: React, Next.js, Tailwind CSS, Bootstrap, React Query, Framer Motion, React Three Fiber

Backend: Node.js, Express.js, REST APIs, WebSockets, JWT Authentication, RBAC

Databases: MongoDB (Mongoose), PostgreSQL (Prisma), Redis

Systems & Infrastructure: Docker, Firecracker, ZFS, Linux, Container Networking, MicroVMs

Tools & DevOps: Git, Docker Compose, CI/CD, Nginx, Sentry

Mobile: Flutter (Provider, platform integrations), Electron