

# Jithinlal P R *Senior Software Engineer*

📍 Calicut, India   ✉ jithinlal@protonmail.com   ☎ +919447483350   🖱 My Portfolio Website  
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## PROFESSIONAL EXPERIENCE

### Senior Software Engineer/Technical Lead, Neoito Technologies

2020 – present

- **Team lead and full stack developer** on multiple customer-facing projects.
- Responsible for the **development and architecture** of medium level projects.
- Devise plans to implement projects from the ground up by initiating **communication with the clients**
- **Train junior devs** to redesign and rebuild efficient web applications

### Full Stack developer, Software Associates Pvt Ltd,

2017 – 2020

- **Full-stack developer** for one of the leaders in IoT solutions and cloud-based IoT solutions from India.
- Responsible for handling multiple **enterprise-grade solutions**, on the web, mobile as well as IoT domains.



## PROJECTS

### NextPort, Technical lead - construction communication platform 🔗

- Worked on the backend by designing the architecture on top of **clean code paradigm and designing REST APIs** efficiently and **led the front end and mobile team** towards an optimized and successful product
- Followed **agile development** process and contributed toward sprint refinement and planning
- Worked with various **AWS services such as Cognito, EC2** etc.
- Devised and implemented the **RBAC** of the project
- Introduced a business strategy that is being used by real-world clients
- Implemented clean code architecture to the entire front end and back end team

### CBRE, Full stack developer on real estate domain 🔗

- Responsible for **queuing up for different jobs** such as emails, that are in relation to the business idea of the project using Laravel's in-built queue by database
- Engaged in **performance optimisation that leads to faster load times** of the application by **25%**
- **Re-structured** part of the application listing logic using **ReactJS from blade templating language**
- **Database design**
- Introduced a package named Laratrust that enabled to easily integrate access control to the project that **helped to reduce developer time** when it comes to role-based access control

### Kerala State Disaster Management's Corona Safe open source community project,

#### Full stack developer 🔗

- Improved the patient details listing feature on the corona safe website which resulted in **40% less time to load** on the page
- Introduced a new form management strategy using a package named react-hook-form that **sped up the development speed of form related pages** throughout the application and less rendering of pages

### Connexa, Solar panel dashboard with admin and user interface 🔗

- **Firestore** backend and a front end dashboard for customers made on top of react
- Real-time database design using firestore helped reduce the **overall cloud cost to the client by 10%**
- **Real-time chart** using chart.js
- State management implementation using **Redux**
- **Stripe payment integration** with a subscription model in-**built from scratch**. A recurring payment model along with a one-time payout option for the admin each month

## Automatica, personal project (currently in development)

- a personal open-source initiative **similar to Heroku and Netlify combined**
- Helps **reduce the auto-deployment hassle both on the front end and on the back end**
- **Improved the developer time by more than 10%** when it comes to deployments
- Created simple state management using **Zustand** along with **material UI**
- Backend code is running on **NodeJS**, with a strong base on top of **Shell script**
- Component testing using **react testing library**

## ORGANISATIONS


### The Mighty Node tech club, NeoITO

Nov 2021 – present

**Mentoring** young devs on writing better and more efficient code and **designing scalable backend architecture**. Introduced community programs such as "Package of the week" etc

### CoronaSafe Network - opensource public utility,

Mar 2020 – Jun 2020

Full stack developer (React and Node) 

Worked with open source enthusiasts to support the **Kerala government's** effort against the covid pandemic. Took **initiative** on the **telemedicine and program the hospital modules**

## SKILLS

**Technologies** (JavaScript, ReactJS, Redux, Nextjs, Node.js, HTML, CSS, Laravel, GraphQL, REST API, MongoDB, PostgreSQL, Zustand, SQL, NoSQL)

**Cloud** (Firebase, AWS EC2, Google APIs, Google Map APIs, Heroku, Netlify, Vercel)

**Tools** (Stripe, Docker, WebStorm, VS Code, Jest, React testing library, TDD)

**VCS** (GitHub, GitLab)

## EDUCATION

### Bachelor's in Computer Science and Engineering,

2013 – 2017

National Institute of Technology, Calicut

CGPA - 6.7

Main Project - Multi-Agent

Reinforcement Learning

## AWARDS

**Employee of the quarter**, Software Associates Pvt Ltd

## CERTIFICATIONS

### Udemy

React - The Complete Guide (incl Hooks, React Router, Redux)

### Ui.dev

Advanced and modern JavaScript courses by Tyler McGinnis

### Proworktree internship

On developing a medium level social-media platform for professionals

### Wes Bos

Full stack advanced react and graphql

## COURSES

**Reactjs - The complete guide**, Academind by Maximilian Schwarzmüller

**Complete react course**, by Tyler McGinnis