



# RAJARAJESHWARI KARNAN

📍 Napier, New Zealand | NZ Work Visa Holder - No Restriction

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## Professional Summary

Front-end focused Full Stack Developer with 5+ years of experience building, maintaining, and supporting web applications using modern front-end frameworks and backend technologies. Skilled in delivering secure, resilient, and reliable software solutions aligned with business requirements. Demonstrated ability to improve operational efficiency and project delivery through effective problem-solving and process optimization. Based in New Zealand, excited to bring my skills and grow by providing meaningful contributions within the New Zealand Tech Industry.

## Technical skills

- **Frameworks & Libraries:** ReactJS, NodeJS, VueJS, Vanilla NextJS, TypeORM, Material UI, Bootstrap, jQuery, Express.js, .NET
- **Programming Languages:** JavaScript, TypeScript, PHP, Kotlin, C#
- **Front-End Development:** HTML5, CSS3, SASS
- **Back-End Development:** REST APIs, SQL, MongoDB, PostgreSQL
- **Other:** API Integration, PHP templates, server-side rendering, Redux, MVC, OOP, AJAX, REST API, API Mocking, CRM systems, Marketing Automation Tools, Git, Jira, Microservices, Code reviews
- **DevOps & Cloud Services:** AWS, CI/CD Pipelines (GitLab, Jenkins)
- **Testing & Debugging:** Debugging tools, Unit Testing (Jest, Mocha)
- **Platforms & Tools:** AWS, Postman, JIRA, Confluence, Android Development, WordPress
- **Development Methodologies:** Agile workflows (Scrum, Kanban), Version Control (Git)

## Experience

Teton IT Management Services | United States, Remote

**Full Stack Web Developer**

02/2025 - Current

- Redesigned sites to enhance navigation and improve visual appeal.
- Contributed ideas towards improving the usability of web application interfaces.
- Designed and implemented user interfaces using HTML, CSS, and JavaScript to enhance user experience.
- Kept detailed documentation on test plans, procedures, and end results.

Altimetrik (Client - Samsung) | Chennai, India

**Senior Software Development Engineer**

02/2023 - 08/2024

- Partnered directly with Samsung at their facility.
- **TechStack** - Vue JS, React JS, Typescript, Redux, Node JS, PostgreSQL, TypeORM, HTML, CSS, Next JS.
- Led development and launch of 7+ high-impact features using ReactJS, VueJS, TypeScript, Redux, and Next.js, improving user engagement and operational performance.

- Architected and maintained scalable, strongly-typed APIs with NodeJS and PostgreSQL, ensuring stability and long-term maintainability.
- Designed and enhanced post-purchase flows (Samsung MyOrders), improving order tracking speed and reducing support tickets by streamlining returns/replacements.
- Applied OWASP security best practices to remediate pen test vulnerabilities.
- Optimized CI/CD workflows using Git and Azure DevOps for faster, more reliable deployments.
- Mentored junior developers and evaluated over 15 candidates in 6 months, strengthening team capability.

Prenetics | Chennai, India  
**Senior Software Engineer**  
 01/2022 - 02/2023

- **Company Overview:** Healthcare
- **TechStack** - ReactJS, Typescript, Redux, NodeJS, TypeORM, HTML + CSS, JavaScript, PostgreSQL, Gherkin
- Built and maintained reusable React components and integrated APIs for e-commerce platforms, ensuring high code quality with TypeScript and Jest testing.
- Developed critical Covid-19 test data workflow for cruise line embarkation, enabling real-time results processing.
- Mentored 2 junior developers, improving team code quality and delivery speed.

Teton IT Management Services | New Zealand, Remote  
**Full Stack Developer (Remote)**  
 09/2020 - 01/2022

- **Company Overview:** Trading platform
- **TechStack** - JavaScript, JQuery, React, Blockchain/Cryptocurrency, HTML + CSS, XML
- Responsible for the overall functionality and UI/UX of the website
- Implemented innovative solutions, including a **BTC payment acceptance** system.
- Created a system for recording time allocated to user support.
- **Implemented** an engaging self-help portal, reducing time spent on user support.
- **Enhanced efficiency** in handling trading information by automation.

Zoho Corporation Pvt Ltd  
**Member Technical Staff (Web Developer-Zoho Cliq)**  
 07/2019 - 09/2020

- Zoho Product: **Zoho Cliq**
- TechStack - Java, JavaScript, JQuery, React, HTML + CSS
- Directed complete overhaul of product's visual and functional design.
- Engineered a suite of **new functionalities**, with the Media gallery becoming particularly popular.
- Boosted the operational efficiency of the media gallery.
- Implemented and directed improvements in Admin panel operations.

## Key Responsibilities

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- **Create and implement new features** based on designs from Figma and various software tools
- **Collaborating with cross-functional teams** to understand, develop, and deploy new features.
- Maintaining existing software modules through **bug fixes and workflow enhancements**.
- **Developing and running unit and integrated tests** to guarantee a bug-free deployment.
- Suggesting changes and enhancements to designs, considering user experience.
- **Delivering high-quality software solutions**, participating in daily stand-ups, sprint planning, and retrospectives to ensure alignment and continuous improvement.
- **Effectively utilized Agile workflows** to enhance team collaboration, streamline development processes, and deliver projects within deadlines while adapting to dynamic requirements.
- Proficient in utilizing **CI/CD pipelines** to automate and streamline build, test, and deployment processes, ensuring efficient and reliable delivery of software.
- Experienced in managing **version control using Git**, implementing branching strategies, and collaborating on code reviews to maintain code quality and facilitate seamless deployments.

## Education

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Anna University | Chennai

**Bachelor of Technology (NZQA-recognized Equivalent To A NZ Level 7 Bachelor's Degree)** in Information Technology  
05/2019

## Local Experience

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KMart | Hastings, New Zealand  
**Team Member (Casual)**

- Developed strong communication and customer service skills by working with diverse customers in a high-paced environment.
- Embraced New Zealand work culture and team collaboration, bringing this understanding into my professional development approach.
- Honed attention to detail and problem-solving abilities while balancing customer needs and operational tasks.

## Achievements

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- 1st Runner-up in **Rajkot Smart City Hackathon**, 2017, Won 1st runner up in Rajkot Smart City Hackathon held in Gujarat for the project - RMCV-Classrooms.
- Finalist in **Smart India Hackathon**, 2018, Selected as one of the top 12 contestants in Smart India Hackathon held in Maharashtra.

## Personal Projects

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**NoteVault** - website

A place to store notes with registration and login facilities, save and categorize your notes.

ReactJS, NodeJS, MongoDB, HTML + CSS.

### **RMC VClassrooms** - website and app

An Learning platform that schools or colleges can administer to teach online. Includes feature to upload notes, conduct exams/tests, upload and evaluate assignments, view exam and assignment results, access books online, and conduct online classes. Separate logins for Students and staff. Java, JavaScript, JQuery, HTML, CSS, XML.

### **Crime mapping** - website and app

A website that categorizes crimes and provides reports on hotspot areas for specific crimes, as well as official records on all accused individuals. Accepts data through CSV files and maps them. Includes features to file a complaint to the police online, an Emergency feature to alert police in critical situations, search for a crime hotspot, and update. Java, JavaScript, jQuery, QGIS (for mapping), HTML + CSS.

### **Baymax Personal Health Assistant** - App

Health care assistant - Includes step tracker, Heartbeat tracker, and mood tracker. Based on the data received from the tracker, an alert message is generated for the specified individuals (a number that will be entered into the system by the user during registration) and their doctor, as well as nearby hospitals, using their location. (For elderly people and those in need), Medicine alerts (If fed with prescription and purchase details, notifies to buy medicine). Also has details about nearby hospitals and doctors for specific health conditions.

### **Activities and Honors**

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- Award for Exemplary Achievement and Performance at Altimetrik

### **Websites, Portfolios, Profiles**

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- <https://www.linkedin.com/in/rajikarnan/>
- <https://github.com/rajikarnan>
- <https://rajikarnancodes.netlify.app/>

### **References**

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References available upon request.