

# Lionel Andrieu

Full-stack engineer

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## PROFILE SUMMARY

**Full-Stack Software Engineer** with 7+ years of experience delivering high-quality web and mobile applications for enterprise and fast-moving clients. Specialized in React, Next.js, React Native, Node.js, and TypeScript, with strong expertise in building scalable, maintainable, and user-focused solutions from concept to deployment.

Experienced in consulting environments, collaborating closely with tech leads, product owners, and stakeholders to translate business requirements into clean, efficient technical solutions. Passionate about code quality, best practices, and continuous improvement, with hands-on experience in CI/CD, cloud infrastructure, and cross-platform architecture.

Thrives in fast-paced, collaborative teams where ownership, proactive communication, and attention to detail drive outstanding digital outcomes.

## TECHNICAL SKILLS

### Front-end

React, Next.js, Expo, TypeScript, JavaScript, HTML/CSS, Material UI

### Back-end

Node.js (Express, Serverless Framework), GraphQL, REST APIs

### Cloud/DevOps

AWS (Lambda, DynamoDB, CloudWatch), Azure (Pipelines, DevOps)

### Methodologies

Agile, SCRUM

### Databases

MongoDB, NoSQL

### Tools & AI Assistants

Git, ContentStack, BitBucket, Monday.com, Cursor, GitHub Copilot, ChatGPT

### Testing

Testing: Jest, React Testing Library, unit testing, integration testing

## WORK EXPERIENCE

onepoint  
Sydney, Australia

03/2021 - present

### Consultant Digital Platform – Software developer

#### Client: FWD Insurance (10/2021 – Present)

##### 1. Agent Guru – AI Chatbot (09/2023 – Present)

**Project:** Cross-Platform AI Chatbot for Insurance Agents (React Native, React, AWS)

- **Joined as a founding front-end developer** during the POC phase, contributing to early architecture decisions and feature prioritization.
- **Built the React Native mobile app and React web application from scratch**, ensuring responsiveness and a unified user experience across platforms.

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- **Developed core features:**
    - **Login portal** with secure authentication.
    - **Chat history access** for continuity in user interactions.
    - **Feedback system** (thumbs up/down, messages) to gather user insights.
    - **Audio message handling** for real-time communication.
    - **Dynamic forms and product eligibility checks**, guiding users through health data input and returning personalized product recommendations.
  - **Created a shared library** for both mobile and web apps, streamlining logic and reducing duplication. Set up a **CI/CD pipeline** (Azure DevOps) to automate testing and version management based on commit keywords.
  - **Integrated Agent Guru into the FWD main app**, ensuring a seamless user journey.
  - **Led the development of the Japan chatbot**, leveraging **AWS services** (Lambda, DynamoDB, API Gateway, Secret Manager) to handle product eligibility inquiries and form submissions.
  - **Architected microservices** to support country-specific chatbots, ensuring scalability and localized compliance.
  - Utilized **AI-assisted development tools** (Cursor, GitHub Copilot) to enhance productivity, streamline debugging, and optimize code generation during feature implementation.

**Technologies:** React Native, React, AWS (Lambda, DynamoDB, API Gateway, Secret Manager), Azure DevOps, WebSocket, TypeScript

## 2. FWD Public Website Enhancement (02/2022 – 09/2022)

**Project:** UI Component Development & ContentStack Integration

- **Added and optimized UI components** for the public website, improving user experience and alignment with brand guidelines.
- **Ensured seamless integration with ContentStack**, enabling real-time content updates and reducing time-to-market for new campaigns.

**Technologies:** React, ContentStack

## 3. Insurance Agents Listing Page (10/2021 – 02/2022)

**Project:** Web Application for Agent Discovery (Next.js, ContentStack)

- Developed a **dynamic listing page** for insurance agents, enabling potential customers to filter, search, and contact agents based on skills and performance.
- **Integrated ContentStack** for content management, ensuring easy maintenance and multi-language support.
- **Built UI components driven by ContentStack data**, allowing non-technical teams to update content without developer intervention.

**Technologies:** Next.js, ContentStack, React

## Client: M1 (03/2021 – 10/2021)

**Project:** Mobile Application Optimization & Feature Development (React Native)

- **Took over an existing React Native mobile app**, focusing on **performance optimization** and **feature expansion** to improve user experience and maintainability.
- **Refactored caching logic**, reducing app loading time and improving overall responsiveness.

# Lionel Andrieu – Full-stack engineer

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- **Added new features** for account management, plan subscriptions, and add-on updates, enhancing user engagement and operational efficiency.
  - **Collaborated with cross-functional teams** to identify bottlenecks and implement scalable solutions.

**Technologies:** React Native, JavaScript, Git

Esker,  
Sydney, Australia

03/2018 - 08/2020

## Solutions Consultant

Worked as a solutions consultant my role was to design and to customize the Esker solutions with JavaScript. Then, once the solution deployed, to train and support our customers

### Tasks included:

- Developed performant, maintainable and reusable components in JavaScript
- Integrated web services and APIs to the solution
- Solved complex technical problems to satisfy customers' needs
- Wrote test cases and performed unit testing
- Resolved bugs using tools such as Google developer tools

### Tools used included:

Projects management using Monday.com. Used BitBucket, Javascript, Visual Studio Code

Oneway,  
Nice, France

06/2017 - 12/2017

## Front-end developer

Joined the engineering team as a front-end engineer to develop the company's new website.

### Tasks included:

- Wrote reusable client-side code for web-based applications using EmberJS
- Improved the existing code and architecture
- Optimized the web application for maximum speed and scalability
- Collaborated with the back-end team to determine the best solutions
- Interacted with the back-end API

## CERTIFICATION

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**2022** - Professional Scrum Developer I from Scrum.org

## EDUCATION

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**2016 – 2017:** Academic exchange, major in computer science, London CANADA

**2014 – 2017:** Master in computer science and electronic, Cergy, FRANCE