RUI CARVALHO

Full-Stack Developer | React, TypeScript, Node.js

ruimiguel.gcarvalho@gmail.com | Driving licence
https://github.com/justRunz | https://www.linkedin.com/in/rui-carvalho-dev

PROFILE

Full-stack developer with a Bac+5 degree as Lead Developer and IT Engineering Manager, and 4 years of apprenticeship at Helean and AMSILABS on web and mobile apps. React and TypeScript on the front end, Node.js and Express.js on the back end, with PostgreSQL and AWS. Looking for a permanent full-stack developer role. Available immediately.

TECHNICAL SKILLS

Front-end: React.js, TypeScript, JavaScript, React Native, TanStack Table, Zod, PWA
Back-end: Node.js, Express.js, Python, REST API
Databases: SQL, PostgreSQL, MongoDB, DynamoDB, Firebase (Auth, Firestore)
Cloud & DevOps: AWS (S3, SES, SNS, DynamoDB), Docker, Kubernetes, CI/CD, GitHub Actions, NGINX, Cloudflare, HashiCorp Vault
Tools: Git, GitHub, GitLab, Vitest, Cursor, Claude Code
Methods: Agile, Scrum, unit testing, code reviews

PROFESSIONAL EXPERIENCE

Full-Stack Developer Apprentice — Helean
Apprenticeship | Paris, France | September 2023 – August 2026
Technologies: React.js, TypeScript, Node.js, Express.js, PostgreSQL, AWS

- AI-driven sales forecasting SaaS startup for bakeries, over 1,000 points of sale
- Took part in the full migration of the product from JavaScript to TypeScript, including the adoption of TanStack Table and Zod for data validation
- Worked on features from the React.js interface to the Node.js and Express.js services, with PostgreSQL and AWS S3
- Built the order email status tracking end to end with AWS SES, SNS and DynamoDB, from research to production
- Set up a PWA with Vite PWA on the React dashboard, tested on Android and iOS with ngrok, and automated PDF and XLSX document generation
- Set up unit tests with Vitest, took part in code reviews and Scrum rituals, bug fixing and maintenance across the whole product

Full-Stack Developer Apprentice | AMSILABS
Apprenticeship | Amiens, France | September 2022 – June 2023
Technologies: React Native, React.js, Node.js, Express.js, Firebase

- Developed mobile apps in React Native and web interfaces in React.js for clients with varied needs
- Built APIs with Node.js and Express.js
- Integrated Firebase Auth and Firestore directly into the apps, serverless

EDUCATION

Manager in IT Engineering | BAC+5 | Coding Factory by ESIEE-IT, Pontoise, France | 2024 – 2026
Business & International Entrepreneurship | Laval University, Québec, Canada | 2026
Developer, Web & Mobile (AI Native) | BAC+3 | Coding Factory by ESIEE-IT, Cergy, France | 2021 – 2024
Startup Bootcamp | University of San Diego & CSUSM, California, United States | 2024

PROJECTS

TakeCare AI | Entrepreneurial project
Technologies: React Native, Node.js, Express.js, MongoDB, HashiCorp Vault, GitHub Actions, Docker, NGINX, Cloudflare

- Mobile health app with an AI chat for guidance and symptom detection, tested by over a hundred users
- Node.js and Express.js back end with MongoDB, and secure data management with HashiCorp Vault
- CI/CD pipeline with GitHub Actions, Docker, NGINX and Cloudflare
- Winner of the PROTOT'UP competition (CY Entreprendre) and the ESIEE-IT Coding Show, incubated at CY Entreprendre, presented at VivaTech 2025

Microservices architecture | Training project | Python, Kubernetes

- Simplified Twitch clone built as Python microservices, deployed on a Kubernetes cluster

LANGUAGES

Portuguese: native | French: bilingual | English: B2 (TOEIC 905/990)