

# FABRIZIO ROSARIO MORONE

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Senior Software Engineer with 11+ years of experience delivering scalable, secure healthcare platforms across Australia, Europe, and Asia.

Expert in React, Angular, Vue, and Next.js paired with Go and Rust backend services supporting high-throughput clinical systems.

Strong record of improving performance, reliability, and compliance within HIPAA- and GDPR-regulated environments. Experienced in cloud-native architectures on AWS and GCP, CI/CD automation, and real-time healthcare data pipelines.

## Professional Experience

Senior Full Stack Engineer

**Andersen, Warsaw, Poland**

*March 2020 – present*

- Improved patient dashboard load times by 62% using Next.js SSR and React hooks, enabling responsive clinical workflows during peak usage.
- Designed real-time AI visualization modules with D3.js consuming Go (Gin) APIs, supporting clinical risk scoring and scenario analysis.
- Implemented multi-tenant scheduling interfaces with React and TypeScript, backed by Go Fiber services and PostgreSQL, improving booking accuracy by 28%.
- Reduced API latency by 35% by introducing Rust (Axum) services for high-throughput patient data ingestion.
- Integrated WebSocket streams via Go Gin gateways, improving real-time monitoring reliability across patient dashboards.
- Implemented Auth0 authentication with OAuth2 and JWT, ensuring HIPAA-compliant access across frontend and backend services.
- Deployed containerized Go and Rust services to AWS ECS and GCP Cloud Run, cutting deployment failures by 40%.
- Integrated Twilio HIPAA-compliant messaging for appointment reminders, reducing no-show rates by 18%.
- Established CI/CD pipelines using GitHub Actions and Terraform, accelerating release cycles by 30%.
- Mentored junior engineers through architectural reviews and cross-team collaboration, improving delivery predictability and code quality.

Full Stack Engineer

**Zühlke Engineering, Zürich, Switzerland**

*March 2016 – February 2020*

- Developed real-time patient monitoring dashboards using React and Angular, consuming Go (Gin) APIs for live medical sensor streams.
- Implemented telemedicine workflows with secure video and messaging integrations via Firebase, increasing remote consultations by 32%.
- Reduced frontend rendering time by 30% through component optimization and backend pagination strategies.
- Created reusable UI component libraries adopted across multiple healthcare products, improving consistency and development speed.
- Integrated role-based access controls aligned with Rust (Actix) authorization middleware, ensuring GDPR-compliant data visibility.
- Collaborated with backend teams to refine API contracts between Angular clients and Go microservices.
- Coordinated cross-functional teams to deliver regulated healthcare features under strict compliance timelines.

Frontend Developer

**PwC Australia, Australia (Multiple Cities)**

*August 2012 – February 2016*

- Contributed to healthcare dashboards using Angular and Vue.js, integrated with Go-based REST APIs and SQL databases.
- Implemented responsive, accessible interfaces aligned with WCAG standards for hospital administrative platforms.
- Enhanced data visualization accuracy using Chart.js integrated with backend reporting endpoints.
- Supported backend teams by validating API payloads and improving frontend error handling patterns.
- Assisted with performance tuning of Go services handling patient metrics, reducing page load delays by 20%.
- Participated in agile ceremonies, contributing technical insights that improved sprint predictability.
- Supported production releases and issue resolution in enterprise healthcare environments.

Frontend Developer Intern

**Cochlear Limited, Sydney, NSW, Australia**

*January 2012 – July 2012*

- Developed internal dashboard components using JavaScript and Angular, integrated with Rust-based internal services.
- Improved UI consistency and cross-browser compatibility across legacy systems.
- Assisted senior engineers with performance tuning and interface refinements.
- Operated within strict security and compliance requirements typical of regulated medical environments.

## Key Strengths

- **Frontend Expertise:** 11 years with React, Next.js, Angular, Vue, and TypeScript, building high-performance healthcare and IT solutions.
- **AI & Real-Time Integration:** Developed AI dashboards, patient portals, and real-time data systems with HIPAA/GDPR compliance.
- **Enterprise & Cloud Applications:** Experienced in large-scale systems, performance optimization, and cloud-ready frontend solutions.
- **Team Collaboration & Mentorship:** Worked with international teams, mentoring junior developers and delivering secure, user-friendly platforms.

## Technical Skills

- **Frontend:** React, Next.js (SSR, ISR), Angular (RxJS, NgRx), Vue 3 (Composition API, Pinia), TypeScript, Tailwind CSS, Storybook, D3.js, Recharts, WCAG 2.1
- **Backend:** Go (Gin, Fiber), Rust (Actix, Axum), REST, GraphQL, WebSockets, OAuth2, JWT, background workers
- **Databases:** PostgreSQL, MySQL, SQL Server, MongoDB, DynamoDB, Redis, Elasticsearch
- **Cloud & CI/CD:** AWS (ECS, RDS, S3, CloudFront), GCP (Cloud Run, Pub/Sub), Docker, GitHub Actions, Terraform, Datadog, Sentry
- **Healthcare & Integrations:** Auth0, Twilio (HIPAA), Stripe, Firebase, HL7, FHIR, SMART-on-FHIR

## Education

**University of Sydney, Sydney, NSW, Australia**

*June 2008 - March 2012*

Bachelor of Science in Computer Engineering