Ryan Caigoy

Senior Full Stack Engineer

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Professional Summary

Senior Full-Stack Engineer with **8+ years** building and owning revenue-critical product features in healthcare SaaS. Specialized in **React + .NET** systems at scale, with deep experience designing **APIs**, data models, and **AWS architectures** used by tens of thousands of daily users. Known for end-to-end ownership, translating product ambiguity into shipped features, and creating leverage through reusable systems and abstractions.

Professional Experience

Senior Full Stack Engineer • YAPI
Nov 2020 – Present • Irvine, CA (Remote)

Tech Stack: **C#, React, .NET Core, PostgreSQL, PHP, MySQL, AWS (ECS, Lambda, S3, EC2), gRPC, Mass Transit, Docker**

- **Top-ranked engineer company-wide by productivity KPIs,** consistently delivering high-impact features across multiple product areas
- **Led the patient communication platform** used by thousands of healthcare practices, supporting SMS, MMS, reminders, and anonymized phone numbers under HIPAA constraints
  - **Designed AWS architecture** for Reminders, MMS, anonymous numbers, patient number data standardization
  - **Acted as technical lead for feature teams**, managing scope, ticketing, code reviews, and mentorship to ensure predictable delivery and code quality
- **Led online scheduling feature development end-to-end**, enabling patients to book appointments directly while integrating with legacy practice workflows
  - **Designed APIs, backend services, and database schemas** with middleware layers bridging legacy systems and modern services, reducing coupling while enabling incremental platform modernization
  - **Led online payments feature,** serving as primary backend engineer for patient-to-practice transactions

- **Designed PCI-compliant backend workflows and data models** to securely handle patient payments while meeting regulatory and auditing requirements
- **Owned user management and access control features supporting multi-practice environments and complex permission models**
  - **Designed authentication and authorization systems**, including token-based middleware, login auditing, and multi-practice access controls

Back-End Developer • Applied Medical
2018 – 2020 • Rancho Santa Margarita, CA

Tech Stack: **Azure, .NET MVC, C#, SQL Server, JavaScript, jQuery, HTML/CSS**

- **Built REST APIs and internal web applications** for inventory management, order processing, and event operations. Wrote comprehensive Swagger documentation and automated testing suites. Processed thousands of transactions daily with focus on reliability and performance.
- **Developed and maintained admin dashboards and intranet tools** used company-wide for event management, grants, and access control. Owned projects end-to-end—from understanding user needs through design, implementation, and deployment.
- **Automated critical workflows including notifications, access-level reviews, and reporting systems.** Delivered 200+ custom tools and automations with fast turnaround, significantly improving operational efficiency through process automation and abstraction building.

Education
University of California, Irvine • B.S. Computer Science

Projects

Flickables
Developed a web application designed to help users discover their next movie or TV show to watch. The platform streamlines the search process by offering personalized recommendations, making it easier for users to find content that matches their preferences.

Quiz Craft AI
Created a study assistance tool that leverages artificial intelligence to enhance the learning experience. Quiz Craft AI supports users in preparing for exams and mastering new subjects by providing tailored quizzes and interactive study resources.

AI Task Scheduler
Built an intelligent scheduling assistant that helps users manage their tasks efficiently. The AI Task Scheduler automates task organization, prioritization, and scheduling, enabling users to optimize their productivity and meet deadlines effectively.