

MIKE WILLIAMSON

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OVERVIEW

Technical & People Leader, Architect and Back-end Developer with a passion for resilient, user-centric design. I have a proven track record designing and building systems that scale, as well as coaching others to do the same.

TECHNICAL STRENGTHS

Domains of Expertise	API Design, Systems Architecture, Testing, Ruby Language & Ecosystem
Frameworks & Tools	RSpec, Rails, Sinatra, Git, Open API, Postman, AWS

PROFESSIONAL EXPERIENCE

CardFlight

Software Architect

August 2023 - Present

Designed and led integration with Apple's Tap-to-pay service. Provided detailed service diagrams and sequence diagrams to secure buy-in from Engineering leadership. Converted high-level architecture into smaller pieces of actionable work, with enough detail to maintain a cohesive design while still creating interesting problems for the teams to solve.

Created and evangelized libraries to implement JSON Patch documents, BER-TLV parsing, and re-implement communication with a third-party payment gateway. Integrated all three into our production API with zero downtime.

Engineering Manager

May 2019 - August 2023

Led a high-performing team of 4-6 engineers, fostered a strong team culture through process iteration, open communication and creating shared ownership while shielding the team from outside stress. Built strong relationships with team members that continued after switching roles.

Increased capacity for Engineering projects by hiring four engineers, including designing candidate pipelines, interviewing, making offers, negotiating salaries, on-boarding and mentoring developers.

Software Engineer

April 2015 - May 2019

Designed, built & maintained the CardFlight Gateway, an asynchronous RESTful payments API.

Maintained the legacy gateway while providing migration paths for our client SDK. Has scaled to over \$14 billion dollars processed in 2024.

Implemented a framework for consuming messages from AWS SQS which is now used to perform background tasks across the entire CardFlight infrastructure. Performs over 2 million tasks daily.

Led an EMV certification with TSYS, a leading US credit card processor. Created a library to translate payment requests to and from a modified version of ISO-8583 financial payment data.

EDUCATION

Trinity College, University of Cambridge
BA Mathematics

2009-2012