Matt Harris

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LANGUAGES AND TECHNOLOGIES

- **Proficient:** Python, FastAPI, Ruby, Rails, Git, SQL, Redis, TypeScript, ReactJS, Node.js, Docker
- **Exposure:** AWS, PostgreSQL, Pandas, NumPy, TensorFlow, PyTorch, GraphQL, Jest, Angular

PROFESSIONAL EXPERIENCE

Staff Software Engineer | **Procore** | **Austin, TX**   Aug. 2022 - Present

- Tech Lead for Conversations team, contributed to the replatforming from a Ruby on Rails monolith to a distributed system utilizing Kafka, Redis, and services in Node.js, Java, and Python. Helped scale the product from beta to GA, serving 6,000+ companies.
- Integrated Procore Copilot (LLM) into Conversations, enabling DMs between users and LLM via a FastAPI service and frontend in ReactJS delivering streamed text responses, launching as a Pilot for ~10 companies.
- Established team's front-end testing framework, enabling the team to increase coverage from 0% to 80%. Led observability efforts by creating SLOs, Datadog dashboards, and Opsgenie alerting with prioritized alerts.
- Facilitated sprint planning, retros, architecture reviews and daily stand-up meetings.

Senior Software Engineer | **Actium Health** | **Palo Alto, CA**   Nov. 2020 - July 2022

- Designed and implemented standard data models based on FHIR and HL7 documentation in order to provide generic client schemas , enabling tracking of healthcare data for ~400K patients across 12 Health Systems.
- Engineered data ingestion pipeline to consume files and Redox messages using Prefect, AWS, Kafka and Faust.
- Led 8 person agile development team as scrum master, improving sprint velocity by 70%.

Senior Software Engineer | **Kaplan Test Prep** | **New York, NY**   Aug. 2018 - Apr. 2020

- Developed a scalable bulk publishing system and real-time UI using AWS SQS & Lambda, Redis, PostgreSQL, Angular and Web Workers, allowing 200+ content authors to update hundreds of content items at once.
- Implemented a reusable, highly configurable frontend library using Angular and Elasticsearch, allowing advanced searches of authored content and enabling key features such as one step course creation.
- Reduced ReactJS app page load time by ~1000% through pagination, Redis cache and partial data rendering.

Full-Stack Software Engineer | **Carta** | **San Francisco, CA**   Apr. 2017 - Aug. 2018

- Designed and built Carta SAFE financing tool using Django rest framework and VueJS front end, resulting in movement of >$4MM for 40+ investors, successfully funding ~25 companies' seed round.
- Improved financings and captable code quality with >50 unit tests, exception handling and refactoring of anti-patterns, leading to an 80% drop in weekly production exceptions.

RECENT PROJECTS

Software Engineer | Thin Gifts | live **|** code

An e-commerce site that sells and mails greeting cards for special occasions with custom user messages.

- Developed Django rest framework API to manage session based shopping cart and orders for quick checkout.
- Built a responsive UI with CSS & Angular and integrated with PayPal SDK for convenient and fast payments.

Full-Stack Software Engineer | SMSCard | code

Mobile tool for business professionals to easily network with new acquaintances by sending their business cards via SMS.

- Architected CLI-like SMS interface with Rails for users to text flags and specialized parameters for networking.
- Constructed Ruby on Rails RESTful API to parse through data from Twilio messaging system and send relevant business card information queried from PostgreSQL DB.

Back-End Software Engineer | Schwarzefaker | live **|** code

'Faker' Ruby Gem that populates an SQL database with Arnold Schwarzenegger movies, quotes, characters and villains

- Received 1000+ downloads from developers in first 6 weeks of being publically available at RubyGems.org.

EDUCATION

Georgia Institute of Technology | Atlanta | GA | *M.S. Computer Science*   2023
University of Tennessee at Chattanooga | Chattanooga | TN | *B.A. English*   2011