Melissa Thai

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EXPERIENCE

BestPracticer - *Software Engineering Coach (Freelance)*   Jan 2022 - Present

Mentoring junior and mid-level software engineers through their careers at various tech companies (profile).

Providing technical guidance and career coaching to mostly women and POC over 50+ coaching sessions.

Modern Health - *Senior Software Engineer*   May 2020 - Dec 2021

Tech led backend engineering for projects that improved telehealth, care scheduling, and session feedback.

- **Improved chat app initial load times by 50%+** by integrating Relay framework to GraphQL queries.
- Scaled provider-centric API endpoints with **no incidents**, enabling easy holistic evaluations for hundreds of members with **minimal latency**.
- Architected a new Python service that would enable support for **health insurance** coverage.
- Co-led a presentation on **coding design principles** and best practices for **unit testing**.
- Proactively refactored legacy code and clarified business expectations to eng and product specialists.

Airbnb - *Software Engineer*   Jun 2016 - Aug 2019

Implemented **high-profile features** (full-stack) on the listing page and **drove development** of Airbnb Wishlists.

- **Improved listing display prices API P95 performance by 30%** by leading backend migration from Rails monolith to Java microservices.
- Migrated 100% of business-critical pricing data to Java microservice with **99.9%+ uptime**.
- **Improved Wishlist API P95 performance by 50%** by identifying and resolving inefficient N+1 queries.
- **Built original Rails backend** that powers Wishlisting Airbnb Experiences and Places.
- **Resolved serious security vulnerabilities** (PII leaks) in Wishlists.

The Omni Group - *iOS Engineer, Intern*   Jun 2015 - Aug 2015

Freescale Semiconductor - *Software Engineer, Intern*   Jun 2014 - Aug 2014

SKILLS

Languages: Python, JavaScript (ES6), TypeScript, Java, HTML 5 / CSS, Ruby, SQL

Technologies: Flask, Django, React, GraphQL, REST, PostgreSQL, Docker, AWS, Next.js, Rails, Git, Node.js

EDUCATION

Rose-Hulman Institute of Technology   Sep 2013 - May 2016

B.S. Computer Science and Software Engineering

GPA 3.7 / 4.0 (Magna Cum Laude)