

MICHAEL LATMAN

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EXPERIENCE

Amazon Web Services

Software Engineer II

Baltimore, Maryland

Jan 2020 - Apr 2021; Apr 2022 - Present

- Prototyped, designed, and deployed an AuthZ library that modifies UI behavior based on user authorizations using React and TypeScript across four physical security domains
- Led a team to develop the Java authorization library used to secure access to 100% of AWS data centers. Transitioned nine internal services with zero downtime, achieving \$1 million in annual cost savings over the previous solution
- Served as leader of the UI/UX Guild, guiding 10+ frontend-focused engineers in UI/UX best practices and facilitating constructive wireframe critiques
- Wrote the security software organization's API standards, led API reviews, and held twice-weekly office hours
- Created 15+ automations in Python for common on-call operations, saving 11 hours of dev time per week
- Built a Slack bot that summarized incoming high-severity tickets using Claude 3 Sonnet
- Led application security reviews as a certified AWS Security Guardian for the organization
- Regularly interviewed internal customers and users to understand and serve as a voice for their needs at planning meetings
- Prototyped and developed a shared CDK construct (that deploys OpenSearch Serverless collections, CloudWatch alarms and dashboards, and DynamoDB indexing pipelines), reducing the amount of time needed to deploy OpenSearch from days to hours

Olive AI

Senior Software Engineer - Ventures

Remote

Apr 2021 - Apr 2022

- Led a team of four engineers to build a TypeScript phone tree system with fuzzy search for call center agents at three hospitals. This system helped agents locate hospital resources without needing to switch browser tabs, resulting in a 21% reduction in average call length
- Developed an engineering excellence guide on best practices for seed-stage startups
- Provisioned and managed AWS Accounts, GitHub Actions CI/CD pipelines, and led code reviews for five portfolio companies
- Built a macOS menu bar application in Python for employee time mapping, which fed data into a model to identify bottlenecks in hospital processes. Successfully identified one candidate for automation during a small-scale pilot
- Rapidly prototyped products in design sprints to validate product-market fit with a panel of potential customers

Alliance Data

Software Engineer

Baltimore, Maryland

Jan 2019 - Jan 2020

- Worked on the Emerging Payments team to develop credit card products for brand partners
- Built an ad server in Kotlin that leveraged Mustache templates to generate context-aware ads on brand partners' websites with sub-100 millisecond latency
- Designed and implemented a centralized Kotlin Spring Security service that facilitated human logins and API authentication for three products
- Created a generic system for implementing Kotlin Spring services that reduced boilerplate code by 72%
- Diagnosed and fixed production service issues and wrote unit and integration tests for Kotlin using JUnit and MockK

Blispay

Software Engineer

Baltimore, Maryland

Jun 2018 - Jan 2019

- Worked with the product team to create a data model for storing and retrieving customer data, using Java and PostgreSQL, to allow non-technical teams to analyze customer behavior from multiple perspectives

- Maintained a batch orchestration framework written in Python that processed data dumps from the system of record and ingested them into a data lake
- Identified customer-impacting system failures and rapidly developed and released fixes for the production React web application

Syncrobits

Founder

Baltimore, Maryland

Feb 2017 - Jun 2018

- Assembled a team of three programmers to develop iOS and Android applications using Swift and Java
- Led product and engineering efforts to deploy Android and iOS apps for clients, including a point-of-sale application that facilitated over a million credit card transactions for the Maryland State Fair
- Managed billing and project management for ten individual contracts

SKILLS

Programming & Web: JavaScript, TypeScript, React, Python, Java, Kotlin, Swift, HTML, CSS, Bash
 Tools & Platforms: AWS, GitHub, Google Cloud, Firebase

PROJECTS

Home Control for Rabbit R1 *Node, TypeScript, Home Assistant, Shortcuts, OpenAI GPT*

A third-party service for the Rabbit R1 that enables users to control smart home devices and set reminders from their devices in natural language

TesPlayer *React, TypeScript, Firebase, Spotify API*

A Spotify UI written for Tesla vehicles built with React and TypeScript

RECOGNITION

First Place - Security "Capture The Flag"

Kaizen CTF - Booz Allen Hamilton

Competed to analyze, reveal, and exploit security flaws to gain points. Placed 1st within Loyola University, and 18th against all other competing students

Nov 2016

Hauber Summer Research Fellowship

Loyola University Maryland

Awarded a grant to conduct research on improving the accuracy of natural language processing software

Summer 2016

EDUCATION

Loyola University Maryland

Baltimore, Maryland

Bachelor of Science Computer Science

Sep 2014 - May 2018