

Daniel Mikhail

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mikhaidn.github.io/Plokmin

Experience

2022 - Current

Software Engineer at Verily Life Sciences (Alphabet) (*Boston, MA*)

Led full-stack development of two core healthcare platform components with feature flag-controlled deployments in a FHIR/GCP ecosystem:

- **Participant System (Infrastructure):** Built scalable internal service enabling 4+ teams to interact with simplified participant data
 - Architected APIs abstracting complex FHIR relationships and third-party integrations
 - Implemented Builder/Runner patterns for parallel API execution, improving system modularity
 - Established contract testing framework ensuring reliable cross-service integration
- **Provider Console (User-Facing Product):** Led design and development of a modular frontend dashboard through iterative feedback loops with UX and Product teams
 - Built a11y-compliant interface rendering user-role-based data cards for participant management
 - Broke down card implementation tasks enabling parallel development across junior engineers, reducing MVP delivery time by 50%
- **Technical Leadership:**
 - Championed developer experience through proactive 1:1 check-ins with new engineers, resulting in:
 - Established culture of living documentation and self-contained developer guides
 - 50% reduction in onboarding time across engineering teams
 - Maintained CI/CD pipeline reliability through robust testing practices

2018 - 2021

Software Production Engineer at Yahoo! (*Champaign, IL*)

- Led operational excellence for DSP advertisement pipeline processing petabytes of daily transactions:
- Implemented cross-team security protocols for COPPA and GDPR compliance
- Developed real-time dashboard for lambda-architecture pipeline monitoring

Education

2020 - 2024

Masters of Computer Science; University of Illinois at Urbana-Champaign

2014 - 2018

BSc, Computer Science; Rose-Hulman Institute of Technology (*Terre Haute, IN*)

Technical Skills

- **Engineering:** API Design, Full-Stack Development, Software Design Patterns
- **Technologies:** Go, Python, React/TypeScript, GCP, FHIR, gRPC, AWS Lambda
- **Infrastructure:** Docker, Kubernetes, CI/CD, Logging and Alerting
- **Developer Tools:** Git, Unix/Linux, Code Generation for Boilerplate and Documentation