

## Katie Mckenzie

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## SUMMARY

Highly experienced Staff Software Engineer with 9 years of experience in mobile app development, holding a PhD in Computer Science, and a proven track record of launching top-rated apps on both iOS and Android platforms, with a strong background in technical leadership and innovation.

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## EXPERIENCE

### Staff Software Engineer

*VantaLabs, 2018–Present*

- Led the development of a cloud-based mobile app framework using React Native and AWS, resulting in a 30% reduction in development time and a 25% increase in app performance
- Designed and implemented a scalable architecture for a mobile gaming platform, handling over 1 million concurrent users and achieving a 99.99% uptime
- Mentored junior engineers in mobile app development best practices and contributed to the development of the company's technical vision and strategy
- Collaborated with the product team to launch a top-rated fitness app on iOS and Android, with over 1 million downloads in the first month

### Senior Software Engineer

*HealthNet AI, 2015–2018*

- Built and maintained multiple mobile apps for healthcare services using Java and Swift, with a focus on security and compliance
  - Implemented a machine learning-based predictive model for patient engagement, resulting in a 20% increase in patient retention
  - Worked closely with the design team to develop a user-centered design approach for mobile apps, resulting in a 40% increase in user satisfaction
  - Contributed to the development of the company's mobile app development framework and guidelines
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## PROJECTS

### Mobile App Framework

*VantaLabs, 2020*

- Developed a cloud-based mobile app framework using React Native and AWS, with a focus on scalability and performance
- Implemented a set of automated testing tools for the framework, resulting in a 50% reduction in testing time
- Collaborated with the product team to launch a top-rated app on iOS and Android, with over 500,000 downloads in the first month

### Fitness Tracker App

*Personal Project, 2019*

- Built a fitness tracker app for iOS and Android using Swift and Kotlin, with a focus on user experience and data analytics
  - Implemented a set of data visualization tools for the app, resulting in a 25% increase in user engagement
  - Contributed to the development of the app's machine learning-based predictive model for workout recommendations
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## TECHNICAL SKILLS

Languages: Java, Swift, Kotlin, Python

Frameworks: React Native, Angular, Vue.js

Cloud: AWS, GCP, Azure

Tools: Git, Docker, Jenkins, Jira

Databases: MySQL, MongoDB, PostgreSQL

OS: Android, iOS, Windows, Linux, macOS

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## EDUCATION

Ph.D. in Computer Science, Stanford University, 2015

Dissertation: "Mobile App Development Frameworks for Cloud-Based Services"

Relevant Courses: Mobile App Development, Cloud Computing, Machine Learning, Data Analytics

B.S. in Computer Science, MIT, 2010

GPA: 3.9/4.0

Relevant Courses: Data Structures, Algorithms, Computer Systems, Web Development