

Staff Software Engineer and technical lead with 10+ years of experience delivering native iOS and Android applications, cross-platform mobile solutions, scalable backend services, and cloud infrastructure. Hands-on expertise with Swift, SwiftUI, Kotlin, Java, Spring Boot, AWS, Kubernetes, and CI/CD automation. Proven success leading cross-functional teams, setting engineering standards, mentoring engineers, and translating business needs into reliable software platforms.

Experience

NOV '25 - PRESENT

Staff Software Engineer | Western Governors University, Remote, WA

- Promoted to Staff Engineer while continuing to lead a cross-functional engineering team and guide delivery of new applications and infrastructure across multiple projects.
- Set engineering standards and architectural direction for application design, cloud infrastructure, CI/CD, code quality, and operational readiness.
- Lead technical planning and execution across backend, frontend, and infrastructure workstreams while mentoring junior engineers through design reviews, code reviews, and routine coaching.
- Established AI-assisted engineering workflows using Kiro to accelerate delivery, including generating and refining Terraform modules for AWS infrastructure with code review, validation, and deployment guardrails.
- Partner with stakeholders to translate business needs into scalable solutions, clarify tradeoffs, and coordinate delivery timelines.

NOV '23 - NOV '25

Lead Senior Software Engineer | Western Governors University, Remote, WA

- Served as technical and personnel lead for a cross-functional engineering team of 7, coordinating daily standups, sprint planning, code reviews, and delivery priorities.
- Architected and drove the design, build, and rollout of containerized microservices on AWS EKS, migrating 12 legacy applications from EC2 to Kubernetes clusters.
- Led migration workstreams spanning CI/CD pipelines, Helm chart creation, rollout verification, and application modernization using Java, Spring Boot, and AWS technologies.
- Oversaw deployment, configuration, and capacity planning for five production EKS clusters to support reliable, zero-downtime releases.

NOV '22 - SEP '23

Lead iOS Engineer | SafeStreets, Remote

- Delivered a greenfield SwiftUI knocking and completion app with supporting backend services in under three months for a seasonal sales launch.
- Built Java and Micronaut middleware to manage CRUD operations between the iOS application, Salesforce, and a MySQL database.
- Acted as product owner for the application, partnering with business stakeholders to define requirements, prioritize enhancements, and coordinate releases.
- Mentored engineers on AWS best practices and improved deployment speed by building automated delivery pipelines.

MAY '21 - NOV '22

Lead Mobile Engineer | Neural Claim Systems, Remote

- Designed and maintained native iOS and Android applications for processing glass-damage claims, including supporting Node.js middleware and SQL database enhancements.
- Improved claim-processing speed and accuracy by implementing ML models with Core ML for iOS and ML Kit for Android.
- Evaluated Kotlin Multiplatform to reduce shared-code duplication while preserving native SwiftUI and Jetpack Compose experiences.
- Led offshore contract developers, clarified technical requirements, and expanded CI/CD testing across mobile and backend stacks.

MAR '21 - MAY '21

Senior Software Engineer | Western Governors University, Salt Lake City, UT

- Created Java and Spring REST services, led contractors addressing application-security vulnerabilities, and established CI/CD pipelines and AWS infrastructure.

Earlier Experience

JAN '20 - FEB '21

Software Engineering Manager | Western Governors University, Salt Lake City, UT

- Directed mobile engineering across current and next-generation applications and web UI frameworks to provide a consistent front-end experience.
- Spearheaded mobile CI/CD tooling with Bitrise and GitHub Actions to accelerate delivery across engineering teams.
- Consistently led teams to meet delivery and performance goals while coordinating priorities across multiple workstreams.

AUG '18 - JAN '21

Software Engineer II | Western Governors University, Salt Lake City, UT

- Modernized an Objective-C application to Swift using Realm and RxSwift, accelerating feature delivery and improving maintainability.
- Developed a reusable iOS networking framework for consistent, testable API calls and models.
- Mentored junior developers in Swift, Xcode, and reactive-programming best practices while collaborating with Android and iOS teams.

FEB '18 - AUG '18

Software Engineer | Western Governors University, Salt Lake City, UT

- Developed Java and Spring REST services and modernized legacy applications for AWS migration with CI/CD pipelines.
- Updated Angular front-end features to support new backend capabilities.

JAN '16 - FEB '18

Scrum Master / Junior Engineer | Western Governors University, Salt Lake City, UT

- Organized and coached an agile team delivering mobile products while maintaining a regular release schedule and app ratings above 4.5 stars.
- Automated service testing to reduce regressions and contributed bug fixes across iOS and Android applications.

Technical Skills

Mobile: Swift, SwiftUI, Objective-C, Kotlin, Jetpack Compose, RxSwift, Realm, Core ML, ML Kit

Backend & Web: Java, Spring Boot, Micronaut, Node.js, JavaScript, Angular, REST APIs, SQL, MySQL, Python

Cloud & Platform: AWS, Terraform, Amazon EKS, Kubernetes, Docker, Helm, EC2, CodeBuild, CodePipeline, GitHub Actions, Bitrise, Xcode Cloud

AI-Assisted Engineering: Kiro, AI-assisted development workflows, Terraform generation and refinement, review and validation guardrails

Leadership: Technical strategy, architecture, engineering standards, mentoring, code reviews, stakeholder partnership, agile delivery

Education

JAN '20 BS in Software Engineering | Western Governors University

AUG '11 BA in Communication | University of Utah

Recognition & Links

Western Governors Sage Award: Recipient of the company's highest award for outstanding contributions and innovation in software engineering.

GitHub: github.com/johnnypeterson Portfolio: johnnyswiftapps.com