

Derrik Fleming

Senior Software Engineer

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Objective

Seeking to leverage expertise in cloud infrastructure and cross-platform mobile development to deliver scalable software solutions while advancing as a technical leader in innovative, collaborative environments focused on backend systems and mobile applications.

Skills

- **Core Technologies:** Cloud Infrastructure, Mobile Development, API Design & Integration, CI/CD Pipelines, Infrastructure as Code
 - **Languages:** TypeScript, Dart, Java, Python, GraphQL, Kotlin, Swift
 - **Mobile Frameworks:** Flutter, React Native, Native iOS/Android Development
 - **Backend Frameworks:** Node.js, Express.js, Laravel, Serverless Functions
 - **Web Frameworks:** Vue.js, React, SvelteKit
 - **Databases:** PostgreSQL, MySQL, MongoDB, DynamoDB, Firebase, Redis
 - **Cloud & DevOps:** AWS, AWS CDK, Docker, Kubernetes, Terraform, GitHub Actions, Azure DevOps
 - **Mobile Tools:** Xcode, Android Studio, Firebase, App Store Connect, Google Play Console
 - **Certifications:** AWS Cloud Practitioner
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Professional Experience

Mutually Human (formerly SpinDance) – Remote

Senior Software Engineer | Consultant, Cloud | Mobile | Backend *Jan 2022 - Present*

Software Engineer II | Consultant, Cloud | Mobile | Backend *Jul 2021 - Dec 2021*

- Served as a Software Engineer and Consultant, specializing in cloud infrastructure, mobile development, and backend systems on a variety of connected product systems (IoT)
- Architected and deployed scalable cloud infrastructure using AWS CDK with TypeScript, using Infrastructure as Code best practices
- Built and designed RESTful and GraphQL API services
- Developed cross-platform mobile applications using Flutter and React Native, achieving optimal code reuse across iOS and Android platforms
- Engineered custom Flutter plugins integrating with native platform APIs for iOS and Android (e.g. CarPlay, Android Auto)
- Implemented CI/CD pipelines using GitHub Actions and AWS CodePipeline, automating testing, building, and deployment processes
- Led Agile development practices including sprint planning, estimation, and retrospectives to ensure consistent delivery
- Contributed to technical standards and best practices through active participation in Cloud and Mobile Engineering Guilds
- Mentored junior developers through code reviews, some pair programming, and technical discussions
- Provided technical consultation for client architecture decisions, scalability planning, and optimization
- Contributed to development and design of IoT framework

Osborn Barr Paramore – Remote

Software Engineer, Web | Mobile *Jul 2020 - Apr 2021*

- Developed scalable web applications using Vue.js, Laravel, and GraphQL with integrated CMS platforms (CraftCMS, Drupal)
- Implemented Docker containerization strategies, substantially reducing development environment setup time
- Built and maintained React Native mobile applications with focus on cross-platform compatibility
- Designed and implemented RESTful APIs to support mobile and web client applications
- Participated in Agile methodologies ensuring consistent sprint delivery and stakeholder alignment

Independent Contractor – Remote

Software Engineer Consultant *Jul 2020 - Apr 2021*

- Led ERP system modernization projects for manufacturing clients, improving operational efficiency through system integration
- Developed real-time monitoring systems using WebSocket connections and event-driven architectures
- Created custom API integrations between legacy systems and cloud-based solutions, ensuring seamless data migration
- Implemented database optimization strategies that improved query performance

Westshore Design LLC – Holland, MI

Application Developer | Backend Engineer *Dec 2018 - Jul 2020*

- Built full-stack applications using Vue.js, React, Node.js, Express.js, and MySQL with focus on scalable backend architecture
- Designed and implemented RESTful APIs serving multiple client applications with proper authentication and rate limiting
- Developed cross-platform desktop applications using Electron for internal process automation
- Created real-time dashboards for production monitoring using WebSocket connections and event streaming
- Contributed to IoT product development through native Android application development and backend API design
- Implemented database schemas and optimization strategies for high-volume data processing

Software Development Intern *May 2018 - Dec 2018*

- Supported ERP implementation and executed data migration strategies to Global Shop Solutions platform
- Developed custom migration tools for legacy MS Access databases, ensuring 100% data integrity
- Collaborated with cross-functional teams to document system requirements and implement process improvements

Education

Grand Valley State University - Allendale, MI

Bachelor of Science in Computer Science *Sept 2014 - Dec 2018*

Publications

- Flutter Plugin Development: A Comprehensive Guide: Part 1 - August 2024
- Flutter Plugin Development: A Comprehensive Guide: Part 2 - November 2024