Michael J. West

Pittsburgh, PA | 23mwest@gmail.com | (908) 625 - 4979
Full Stack Software Engineer with 8+ years of professional experience

EXPERIENCE

Senior Frontend Developer, Tactacam LLC (2022 - 2026)

- Led development for two production products (FeatherSnap and Defend Security Cameras), and contributed to Reveal, a flagship product with over 1M+ MAU

- Mentored and managed up to 5 other developers, growing two junior engineers into mid-senior level contributors

- Scaled FeatherSnap, a web and mobile platform (React Native and Next.js), from MVP to 50k MAU within ~2 years

- Implemented core revenue-driving features including a social media feed, e-commerce shops, and interactive games for production mobile applications

- Integrated frontend application with RESTful APIs and contributed to backend serverless infrastructure-as-code (AWS CDK, API Gateway, Lambda, DynamoDB).

- Owned CI/CD and release automation, increasing release frequency by ~3x

- Started initiatives to add unit and end-to-end tests to web and mobile applications

Frontend Software Engineer, Society of Automotive Engineers (SAE) (2021)

- Built a production Angular SPA supporting a core growth product (DATC), which generates millions in annual revenue

- Contributed to a component library shared by 10+ applications

Software Engineer I, Development Dimensions International (DDI) (2020)

- Built end-to-end data visualization and course content features across mobile and web using React Native, Angular, D3, .NET, and SQL

DevOps Engineer, DDI (2019)

- Built internal tooling with Azure DevOps and Logic Apps to automate developer workflows, significantly reducing context switching

- Ran weekly zero-downtime deployments for all company products

Programmer/Analyst, Federated Investors (2017-2018)

- Updated PowerShell batch scripts and SQL stored procedures to ensure data integrity across large datasets spanning millions of records

- Led rapid prototyping of an internal scheduling tool to replace a legacy system, delivering a proof-of-concept in 3 weeks that secured executive approval for full rebuild

SKILLS & TECHNOLOGIES

- Languages: JavaScript, TypeScript, SQL, Java

- Frontend Frameworks : React, React Native, Angular, Expo, Next.js, Tailwind, TanStack

- Cloud: AWS (CDK, API Gateway, Lambda, S3, SNS)

- DevOps: GitHub Actions, Expo EAS, CodeMagic, AWS Amplify, Netlify

- Testing: Jest, React Testing Library, Appium, WebDriverIO, Sentry

EDUCATION

<u>Bachelor's of Science in Computer Engineering, University of Pittsburgh - Main Campus</u>
Minor: Industrial Engineering

- Software Engineering: Semester-long, team-based project simulating production development workflows (requirements, design reviews, version control, stakeholder communication) to build a train dispatching system modeled on a real-world application.

- Software Quality Assurance: Automated test development using Selenium; implemented functional and regression testing strategies.

- Data Structures & Algorithms: Object-oriented design and algorithm implementation in Java; focused on performance analysis and complexity trade-offs.

- Computer Architecture & Digital Circuits: Implemented a custom computer processor in VHDL using Intel Quartus, and mapped to an FPGA

- Capstone / Senior Design: Led full product lifecycle development from ideation through working prototype; designed custom PCBs specifications using Altium Designer and integrated Arduino-based hardware systems.

<u>Industrial Engineering Focus</u>
- Statistical modeling and probabilistic analysis

- Discrete mathematics and formal logic

- Productivity and process optimization

- Engineering management and cross-functional coordination

- Human factors engineering and system utilization