

Alexander Fiodorov-Miller

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SUMMARY

Full-stack software engineer passionate about building scalable tools that bridge physical spaces and digital insight. Currently developing GPS-integrated, 360° video inspection platforms at Optic Systems. Co-founded a Spanish-language coding startup reaching 1M+ students. Experienced across front-end, back-end, and cloud infrastructure. Thrives in fast-paced, remote-first teams.

EDUCATION

UNIVERSITY OF MEMPHIS

B.S. in Computer Science
Magna Cum Laude

Memphis, TN
Aug 2021 – May 2025

WORK EXPERIENCE

OPTIC SYSTEMS

Software Engineer

Remote

Nov 2025 – Present

- Developing 360° video inspection platform using TypeScript, JavaScript, PHP, Node.js, and SQL.
- Integrating mapping formats (geoJSON, GPX) and third-party APIs.
- Collaborating across remote teams to ship scalable features and refactor legacy components.

AUTOZONE

Software Engineer Intern

Memphis, TN

Jun 2025 – Aug 2025

- Built full-stack features with React, TypeScript, and REST APIs on high-traffic product pages.
- Developed NLP-powered diagnostic tool trained on 1.4M+ words.
- Deployed scalable solutions on Google Cloud and improved UX with data-driven insights.

INSTITUTE FOR INTELLIGENT SYSTEMS

Software Engineer Intern

Memphis, TN

Jan 2025 – May 2025

- Shipped upgrades to Glyphwitch, a full-stack annotation tool built with Meteor.js, boosting researcher productivity by 40%
- Enhanced UX responsiveness and usability by 25% through debugging and performance optimization

EMPRINNOS

Co-Founder & Software Engineer

Memphis, TN

Jul 2019 – Aug 2023

- Co-founded a Spanish-language CS education startup reaching 1M+ students across Latin America
- Cut page load times by 45% via async module loading and compression, improving retention in low-bandwidth regions
- Led CI/CD rollout, A/B testing, and cross-device optimization to scale platform access and engagement

PROJECTS

EXPENSELY (React Native/Expo)

Jun 2025 – Present

- Core contributor to App Store budgeting app; built transaction engine ensuring data integrity and seamless currency handling
- Designed sleek, personalizable UI with dark mode and smooth animations; optimized for performance across devices

ACADEMICS LIST (React/Django/Google Maps)

Aug 2024 – Dec 2024

- Built a location-based business review platform supporting 10K+ monthly user interactions
- Integrated Google Maps and geoJSON for dynamic location rendering and filtering
- Led Agile sprint cycles and code reviews; shortened revision time by 50% through tight sponsor feedback loop

SKILLS

Languages & Frameworks: JavaScript, PHP, SQL, HTML5, CSS/SCSS, Node.js, React, jQuery, Bootstrap

Mapping & Video: Google Maps API, geoJSON, GPX, REST, AJAX

Tools, Cloud & Databases: Git/GitHub, CI/CD, Jira, Figma, Google Cloud, MySQL

Natural Languages: Fluent in English and Spanish, conversant in German