

Camden Slade

Springfield, MO | +1 417-506-9365 | csladedev@outlook.com
camdenslade.com/portfolio | github.com/camdenslade | linkedin.com/in/camdenslade

Available January 2027 for full-time remote or Springfield-area hybrid roles (reduced course load in final semester).

SKILLS

Languages: TypeScript, Java, Rust, Go, Swift, SQL

Frontend: React, React Native, SwiftUI

Backend: NestJS, Spring Boot

Databases: PostgreSQL, Redis, Firestore, TypeORM

Cloud & DevOps: AWS (EC2, S3, Secrets Manager, SNS, SES), Docker, PM2, GitHub Actions, Cloudflare, NGINX

Focus Areas: Full-stack web & API design, cross-platform / mobile, database architecture, cloud architecture, deployment automation, performance debugging, UI/UX

EXPERIENCE

Software Engineer

September 2025 - Present

Missouri State Men's Lacrosse (501(c) Nonprofit)

- Architected and maintain a full-stack production platform for team streaming, roster management, and merchandise sales, supporting 50+ active players, coaches, and alumni.
- Integrated payment processing and merchandise fulfillment, processing over \$50,000.
- Maintained hosting infrastructure and content delivery, sustaining 100% streaming uptime during team events.
- Stack: React, Spring Boot, Cloudflare, AWS (EC2, SM, SES, S3, Cognito, Cloudfront, Systems Manager, Lambda).

Grading Assistant

August 2025 - December 2025

Missouri State University, Department of Mathematics

- Evaluated coursework, statistical analyses, and exams for MTH 345 (Statistics for Scientists and Engineers), maintaining grading consistency across 50+ students.
- Partnered directly with the course professor to diagnose common conceptual bottlenecks and provide targeted feedback on quantitative methodology and problem-solving.

PROJECTS & OPEN SOURCE

Versa

April 2026 - May 2026

Rust, Go, WebAssembly, UniFFI, Swift, Loro CRDTs, WebSockets

- Designed a real-time collaborative sync architecture in Rust using Loro CRDTs for deterministic, conflict-free document editing.
- Compiled a shared Rust core across platforms via an XCFramework (UniFFI) for native iOS and a WebAssembly module (wasm-bindgen) for web clients.
- Built a stateless Go WebSocket relay broadcasting binary diffs for local client-side reconciliation using version vectors.

Codegraph

September 2026 - Present

TypeScript, Node.js, tree-sitter, SQLite, Model Context Protocol (MCP)

- Built a local code-graph engine using tree-sitter AST parsing and SQLite, indexing 55k+ lines of code in under 9 seconds.
- Implemented a Model Context Protocol server exposing 5 structural query tools, serving depth-2 graph traversals in an average of 6 ms.
- Engineered an incremental file-watcher cache to apply single-file diffs in under 1 second with no network overhead.

Loro CRDT

Rust | Open Source Contributor

- Contributed to the core Rust CRDT engine by replacing a full causal-DAG oplog scan with a bounded per-peer range scan using version-vector bounds, eliminating redundant history traversal in a hot delete-lookup path.

EDUCATION

Bachelor of Science in Computer Science and Mathematics

Expected May 2027

Missouri State University, Springfield, MO