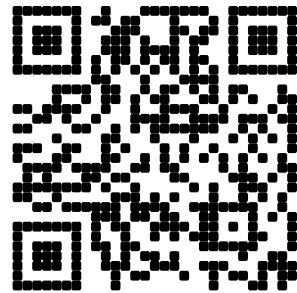


Kolin Newby

Software Engineer - Full Stack | React | APIs | SQL | Go

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PROFESSIONAL SUMMARY

Analytical and performance-driven Full-Stack Software Engineer with 4+ years of experience specializing in React, TypeScript, and scalable backend architectures. Proven track record of optimizing system performance, leading UI modernizations, and streamlining development cycles through global stakeholder coordination. Expertise spans the full software development lifecycle, from researching emerging technologies like eBPF to implementing high-concurrency tooling and gRPC-based services.

EXPERIENCE

June 2023 - November 2025 Graylog | Software Engineer | React - TypeScript - API - Cypress.io

- Coordinated with global stakeholders » Designed and implemented new features across frontend and backend teams » Improved usability and utility for 100% of users
- Created mock-ups and demonstrations » Aligned product owners and engineers throughout development » Decreased ideation time by ~30%
- Tested finished features end to end » Found missing edge cases and bugs before release » Enabling QA (quality assurance) engineers to assess feature readiness
- Fixed active bugs across the frontend » Prepared codebase for future releases » Increased product usability and reliability for 10,000+ customers

June 2021 - June 2023 Resurface Labs | Software Engineer | React - TypeScript - SQL - Go - gRPC - Java

- Led development of user interface and experience » Implemented features and modernized frontend » Obtained 60,000+ prospective customers through acquisition
- Optimized SQL queries » Decreased frontend query times » Improved overall product scalability and responsiveness by ~100%
- Researched eBPF technology » Developed proof of concept eBPF prototype » Informed full implementation and decreased logging performance overhead by 2x
- Developed open-source tools » Tested logger performance » Validated performance of loggers on the order of 10,000 calls per second and 1,000,000 calls logged

SKILLS

Core Competencies

Agile Development, Asynchronous Communication, Cross-functional Collaboration, Web Application Development, User Interface Design, User Experience Design

Technical Skills

TypeScript, JavaScript, React, HTML, CSS, Tailwind CSS, SQL, JSON, Go, gRPC, Goroutines, Rust, Java, APIs, Docker, Terraform, AWS, Cypress, Unit Testing, End-To-End Testing

EDUCATION

May 2021 Bachelor of Science in Computer Science, University of Colorado
Boulder, CO, USA

PROJECTS

December 2024 - Present Rust Chat | Sole Contributor | Rust - Tokio - TCP - JSON

- TCP-based chat written in Rust that uses JSON serialization and asynchronous I/O to exchange messages and system events over the network.

July 2023 - January 2024 API Traffic Load Tester | Individual Contributor | Go - Goroutines - gRPC

- Open-source, purpose-built API traffic simulator used to test API logger's performance.

September 2020 - February 2022 Go API Logger | Individual Contributor | Go - Goroutines - NDJSON

- Open-source project written in Go that integrates into an API and records request and response data in real-time.