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Tyler Earls

Tyler Earls is: a senior software engineer designing scalable solutions across the entire application stack; a team lead that standardizes best practices and mentors developers to accelerate productivity; and a key technical communicator creating alignment with business stakeholders, application architects, and product managers.

Work Experience

Senior Consultant / Consultant　　　　**Inspire11**　　　　　　　**2022–Present**
Remote (USA)

- Cultivated engineering excellence in multiple internationally distributed teams through mentorship programs and knowledge-sharing initiatives
- Led the implementation of a work proposal for a multi-national insurance claims platform, directly contributing to successful business acquisition
- Authored user stories for multiple application features across the entire application stack: bridging high level business context with precise technical guidance, accelerating the code delivery of junior developers
- Designed enterprise-grade authentication architecture that enhanced security while maintaining seamless user experience for insurance clients
- Created a foundational UI component library, streamlining the implementation of a branded design system while empowering developers to focus on business logic
- Architected API integration strategy between React frontend and C# backend, ensuring data integrity across multiple pipelines and legacy systems
- Triaged critical bugs in production by communicating directly with real users and business stakeholders, building a highly visible brand as the go-to tech lead for time-sensitive issues
- Led a performance optimization initiative that reduced deployment pipeline times by 30%
- Championed accessibility standards that ensured compliance while enhancing the user experience

Fullstack Engineer　　　　　　　　**Cquence**　　　　　　　　　**2022**
Remote (USA)

- Architected cross-platform collaboration framework for an Electron application, designing both frontend and backend systems for real-time notifications
- Developed modular React component architecture aligned with design specifications, enabling seamless integration of collaborative features
- Established quality assurance infrastructure across 6 projects, implementing automated linting and build processes for React, Node.js, and Python codebases
- Designed relational database schema and REST API layer to support collaborative document workflows, implementing full-stack solution with React, Node.js, and Postgres

Software Engineer II / Software Engineer I　　**Ensighten**　　　　　　**2019–2022**
Privacy team　　　　　　　　　　　　Remote (USA)

- Architected and developed enterprise-scale privacy compliance application used by Fortune 500 companies, ensuring regulatory adherence while maintaining performance
- Facilitated technical knowledge transfer through company-wide presentations, mentoring sessions and documentation initiatives
- Led development of a Vue 3 component library that standardized UI development across 7 teams while adhering to an organizational design system
- Championed accessibility standards for high-traffic web applications, implementing WCAG-compliant solutions for Fortune 500 customers
- Created Cloud CI/CD pipeline architecture using AWS S3 that became the organizational standard for multiple projects
- Led migration strategy from legacy AngularJS to modern Vue architecture, reducing page load times by 87% while enhancing maintainability

- Established automated testing infrastructure with Jest and Cypress that significantly improved code quality and release reliability
- Implemented enterprise data migration strategy using Mongock with Java/SpringBoot, enabling version-controlled MongoDB operations for 40+ customers

Web Developer   **Alpine Home Air**   **2018–2019**
Chicago, IL

- Upgraded checkout flow from legacy software to a new payment processor on dozens of web pages through the customer journey
- Built administration tool with Vue.js to search employee and customer directory, used by 8 sales employees
- Implemented customer-facing product comparison tool with jQuery and CSS Flexbox on a high traffic page with thousands of daily users

Languages and Technologies

- Languages: TypeScript, React, Node.js, Rust, Java, C#
- Technologies: Docker, AWS, Vite, Azure DevOps, Service Workers, MongoDB, Postgres
- Other: API Design, Performance, Authentication, Authorization, Web accessibility, Testing, Mobile-first CSS

Open Source Contributions

- Contributor to oxc: High-performance JavaScript tools written in Rust

  - Implemented bug fixes addressing end user issues submitted via GitHub
  - Added linting rule implementations with comprehensive unit tests
  - Authored low-level utility function for source code analysis
  - Supported project improvement through issue documentation