

Christopher Fahlin

Senior Software Engineer

Full-Stack Senior Engineer with over 10 years of experience across the full SDLC. Specializes in architecting scalable, event-driven systems using NestJS, WebSockets, and Cross-Platform Mobile technologies. Certified DHS Trusted Tester focused on building accessible, high-performance applications with robust CI/CD and automated testing infrastructures.

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TECHNICAL SKILLS

Architecture & DevOps

System Design, CI/CD Pipelines, Offline-First Architecture, Database Architecture, Mobile Lifecycle

Core Tech

Typescript, React, NestJS, Mobile Dev (Android/iOS), Python, Rust

Specializations

Section 508 / WCAG, DHA / Federal Health, Test Automation

WORK EXPERIENCE

Software Development Advisor

Peraton

01/2026 - Present

JBLM, Washington

Senior Software Engineer

Chenega Agile Real-Time Solutions

07/2025 - 12/2025

JBLM, Washington

Achievements/Tasks

- Architected and developed a scalable telehealth backend using NestJS, implementing WebSockets for real-time provider-patient communication and enforcing FHIR standards to ensure seamless EMR interoperability and data compliance
- Collaborated with cross-functional infrastructure partners to debug and remediate critical STIG violations, ensuring application code adhered to strict security baselines for the ATO process
- Partnered directly with the Government Lead to conduct a technical trade study for the organization's automation strategy, ultimately selecting a unified Cucumber, WebdriverIO (WDIO), and Appium stack to standardize web and mobile testing

Senior Software Engineer

Semper Valens Solutions

02/2024 - 06/2025

JBLM, Washington

Achievements/Tasks

- Led the design of a modular backend infrastructure using NestJS, enforcing Clean Architecture principles to support rapid feature scaling and long-term maintainability
- Designed and implemented a modular blockchain API layer to facilitate easy interaction between web applications and an Iroha blockchain
- Facilitated inter-team collaboration, resolving architectural conflicts between frontend and backend services to ensure a seamless integration lifecycle for core APIs

Senior Software Engineer

BlueWater Federal Solutions

01/2022 - 02/2024

JBLM, Washington

Achievements/Tasks

- Mentored a team of 10+ engineers, conducting code reviews and establishing architectural standards to improve code quality and reduce technical debt
- Led technical feasibility studies for emerging technologies, evaluating WebAssembly and Kotlin Multiplatform for potential adoption in federal mobile solutions

WORK EXPERIENCE

Software Engineer

BlueWater Federal Solutions [↗](#)

03/2019 - 01/2022

JBLM, Washington

Achievements/Tasks

- Served as the Android SME, defining mobile architecture patterns and leading the strategic migration from Java to Kotlin to improve application stability and null-safety
- Spearheaded the strategic migration of legacy native mobile applications to a unified ReactJS Progressive Web App (PWA), consolidating fragmented codebases to reduce maintenance overhead and accelerate feature delivery

Software Engineer

ECS Federal [↗](#)

10/2016 - 02/2019

JBLM, Washington

Achievements/Tasks

- Engineered and deployed native Android applications using a hybrid Java/Kotlin codebase, managing the full SDLC from concept to Play Store release
- Influenced the strategic adoption of ReactJS for Progressive Web App development, shifting the team away from legacy native dependencies

Software Engineer

Slalom Consulting [↗](#)

11/2015 - 09/2016

Seattle, Washington

Achievements/Tasks

- Consulted on enterprise software strategy and digital transformation initiatives for high-profile clients

CERTIFICATES

DHS Trusted Tester (04/2025 - Present)

Validates HTML/ARIA semantics using DHS Trusted Tester v5 & ANDI for strict Section 508 compliance.

SAFe 6 Agile Software Engineer (05/2025 - 05/2026)

Applies Lean-Agile, XP & TDD/BDD to optimize CD pipelines and ensure Built-In Quality at scale.

EDUCATION

B.Sc Computer Science / Minor Mathematics

University of Washington

09/2013 - 06/2015

Tacoma, Washington