

ANNIE BOWMAN

Senior Full-Stack Software Engineer (Web)

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PROFESSIONAL SUMMARY

Senior Full-Stack Software Engineer with 7+ years building internal tools and custom web applications—specializing in geospatial platforms, data-heavy interfaces, and design systems. Strong focus on JavaScript/TypeScript, React, and Node/NestJS, with proven ability to own projects end-to-end and deliver ahead of schedule. Known for rapid learning, strong collaboration, and translating complex requirements into maintainable, production-ready software. Background in psychology and a decade in commercial operations brings a human-centered approach to understanding workflows and building tools people actually want to use.

CORE TECHNICAL SKILLS

Languages & Frameworks: JavaScript, TypeScript, React, MobX, Redux, Vite, Webpack, Node.js, NestJS, Python, Java

Web & Application Development: REST APIs, Full-Stack Web Applications, Component Libraries, Design Systems

Data & Persistence: SQL, PostgreSQL (experience with ORMs including Prisma and TypeORM)

Architecture & Practices: Software Architecture, Internal Tools Development, Component Libraries, Technical Leadership, Client-Facing Development, Agile/Scrum

Mapping & GIS: ArcGIS Maps SDK for JavaScript (with heavy customization), ArcGIS REST Services, Mapbox GL JS, Azure Maps Web SDK

PROFESSIONAL EXPERIENCE

Integral GIS — Greater Seattle Area

Software Engineer / Technical Lead

June 2018 – January 2026

- Led development of internal component library from the ground up—architecting monorepo structure, building 40+ accessible components, and creating starter scripts that enabled rapid project scaffolding. Demonstrated value by building full production demo in under one week.
- Served as project lead on commercial real estate platform—owning architecture, implementation, and client collaboration. Built custom mapping tools, drawing system, Microsoft Entra authentication, and synced data across multiple external systems (Salesforce, Esri geo-database). Project became company model for smooth client engagement.
- Took ownership of major features for ERCOT's GridGeo application (NERC/CIP compliant control room tool)—independently implementing comprehensive user settings system across React frontend and Java backend, and partnering with senior engineer to build Study Mode for dispatcher training using historical grid models.
- Advanced from junior developer on PJM project to technical contributor, taking over primary development of their situational awareness tool and building Python encryption tooling for secure file handling on operational servers.
- Rebuilt and enhanced multiple production applications supporting Microsoft's campus infrastructure, improving usability, performance, and maintainability.
- Contributed to custom ArcGIS Maps SDK application for Homes.com, enabling internal teams to edit and manage neighborhood boundary data.
- Worked closely with internal users and external stakeholders to understand workflows, gather feedback, and evolve tools to better support day-to-day operations.

- Owned production systems end-to-end, including deployment, monitoring, troubleshooting, and iterative improvements based on real-world usage.
- Mentored and supported newer developers through code reviews, pairing, and architectural guidance, helping them ramp effectively and grow their technical confidence.

ADDITIONAL DEVELOPMENT EXPERIENCE

Suburbanites (Nonprofit Organization) — Spokane, WA

Freelance Web Developer • August 2017 – June 2018

- Designed and initiated development of new website to increase membership engagement.
- Created branding assets including logo and business cards.

Sage Stone Botanicals — Remote

Freelance Front-End Web Developer • July 2017 – October 2017

- Delivered front-end updates to existing e-commerce website, improving layout and navigation.

Prosper I.T. Consulting — Portland, OR

Web Developer Intern • May 2017

- Collaborated in Agile/Scrum environment to build JobPDX.com.
- Implemented authentication, SSL/HTTPS security, analytics, and multiple UI components.

PRIOR PROFESSIONAL EXPERIENCE

Steve Madden — Pricing Analyst / Account Service Coordinator

May 2011 – December 2016

- Managed complex workflows across pricing analysis, international vendor coordination, and cross-functional stakeholder communication.
- Navigated between factories, designers, sales teams, and technical partners—developing skills in translating requirements, managing details under pressure, and solving problems pragmatically.

EDUCATION

The Tech Academy — Certificate, Software & Web Development (2017)

Washington State University — B.S. Psychology (2004)