

ANNIE BOWMAN

Senior Full-Stack Software Engineer

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PROFESSIONAL HIGHLIGHTS

- 7+ years building production software for critical infrastructure, enterprise clients, and high-stakes operational environments in energy, utilities, and commercial real estate
 - Technical leadership experience as project lead—owning architecture, implementation, client collaboration, and deployment on full-stack applications from ambiguous requirements through production
 - Specialized expertise in geospatial/mapping applications using ArcGIS Maps SDK for JavaScript, Mapbox GL JS, and Azure Maps—building custom tools for spatial data visualization, analysis, and decision-making
 - Deep proficiency in TypeScript/React frontends and Node.js/Python backends with proven ability to turn complex problems into maintainable, scalable code
 - Track record of rapid technology acquisition and career advancement—transitioned from retail merchandising into software engineering and advanced to technical lead within the first few years
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CORE TECHNICAL SKILLS

Frontend: TypeScript, React, JavaScript, HTML5, CSS3, MobX, Redux, Vite, Webpack, Emotion/styled-components, Component Libraries, Design Systems

Backend & APIs: Node.js, NestJS, Express, Python, FastAPI, RESTful APIs, Microservices, Java, PostgreSQL, SQL, Prisma, TypeORM

Mapping & Geospatial: ArcGIS Maps SDK for JavaScript (heavy customization), ArcGIS REST Services, Mapbox GL JS, Azure Maps Web SDK, Spatial Data Visualization, Custom Mapping Tools

Cloud & DevOps: AWS (S3, EC2), CI/CD Pipelines, Docker, Git, Deployment Automation, Production Monitoring & Troubleshooting

Leadership & Practices: Technical Leadership, Software Architecture, Mentorship, Code Review, Agile/Scrum, Cross-Functional Collaboration, Client-Facing Development

PROFESSIONAL EXPERIENCE

Software Engineer | Technical Lead | Integral GIS

Greater Seattle Area · June 2018 – January 2026

- **Served as project lead on commercial real estate platform for KBC Advisors**—architected and built full-stack TypeScript/React/Node.js/NestJS application from ambiguous requirements through production deployment. Owned client collaboration, technical architecture, custom mapping workflows, RESTful API design, authentication (Microsoft Entra/Azure AD), and bi-directional data sync with Salesforce and Esri geodatabases. Project became company model for successful client engagement execution.
- **Built critical infrastructure tools for power grid operators**—implemented features for ERCOT's GridGeo (NERC/CIP compliant control room application) and PJM Interconnection's situational awareness platform. Worked across React/TypeScript frontends and Java/Python backends, handling production support, debugging, and incident response for systems where downtime has real consequences.
- **Architected comprehensive internal component library**—built accessible, themeable React components with TypeScript, monorepo structure (Turborepo), and Storybook documentation. Library adopted across multiple projects, establishing team-wide standards for component quality, reusability, and development velocity.
- **Developed custom mapping and geospatial applications** for multiple clients using ArcGIS Maps SDK for JavaScript—building specialized tools for spatial data visualization, analysis workflows, and decision-making. Projects included Microsoft campus infrastructure applications (working alongside CBRE contractors), Homes.com neighborhood boundary management, and custom drawing/editing systems for commercial real estate.
- Demonstrated rapid technology acquisition—picked up Java for ERCOT backend work, Python for secure operational tooling, and various mapping/GIS technologies as projects demanded.

- Mentored junior and mid-level engineers through code reviews, pair programming, and architectural guidance—establishing quality standards and best practices across the team.
- Turned ambiguous client problems into shipping code—driving projects from discovery through deployment while collaborating with product stakeholders, designers, and operations teams.
- Owned production systems end-to-end including deployment, monitoring, troubleshooting, and iterative improvement based on user feedback and operational metrics.

Freelance Web Developer | Independent / Various Clients

Remote · July 2017 – June 2018

- Designed and built web applications for nonprofit and e-commerce clients using modern JavaScript frameworks, working independently to gather requirements and deliver production-ready solutions.
- Prosper I.T. Consulting (internship): Contributed to JobPDX.com in Agile/Scrum environment—implemented authentication, SSL/HTTPS security, analytics, and responsive UI components.

Pricing Analyst / Account Service Coordinator | Steve Madden / Topline Corporation

Greater Seattle Area · May 2011 – December 2016

- Managed end-to-end pricing workflows across global vendor network—coordinating between factories, designers, sales teams, and technical partners across international markets.

Merchandising Assistant | Weaver International Footwear / The Pacific Group

Greater Seattle Area · June 2006 – April 2011

- Managed accounts for First Cost customers in a middleman capacity between Liz Claiborne and overseas factories—handling daily correspondence with contacts in Florida, China, and Taiwan.

EDUCATION

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

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