Austin Bartlett

Senior Full Stack Developer

✉ austinkbartlettwork@gmail.com   📞 (248) 925-2139   📍 Royal Oak, Michigan 48067

in linkedin.com/in/austin-bartlett-in/

PROFILE

Senior Full-Stack Software Engineer with 7+ years of experience building high-performance web applications. Expert in React, TypeScript, Next.js, Remix, and modern frontend architectures, with strong backend knowledge in Node.js and Python. Skilled in AI/ML applications, state management, performance optimization, testing strategies, cloud deployments, and data visualization. Passionate about delivering scalable, maintainable, and accessible software solutions.

SKILLS

Frontend / Web Development
- React, Next.js, Remix, TypeScript, SPA, SSR, React Server Components
- MobX, Context API, Redux Toolkit, Recoil, Zustand, React Query
- Tailwind CSS, CSS-in-JS (styled-components, Emotion), Storybook, Component Libraries, WCAG 2.1 AA Accessibility, Framer Motion, CSS Modules / SCSS
- Code splitting, lazy loading, memoization (useMemo, useCallback), PWA, Lighthouse / Web Vitals

Data Visualization & Experimentation
- D3.js, Chart.js, Highcharts, Three.js, Mapbox / Leaflet, React Flow
- Data analysis & visualization with Python (Pandas, Matplotlib, Seaborn)
- A/B Testing: Optimizely, Split.io
- Feature flagging: LaunchDarkly, ConfigCat
- Analytics: Google Analytics / GA4, Amplitude, Mixpanel

DevOps / Cloud / CI/CD
- Docker, Docker Compose, Kubernetes basics
- AWS, GCP, Azure fundamentals
- GitHub Actions, GitLab CI, Vercel deployments
- Monitoring & Logging: Sentry, LogRocket, Grafana

Backend / Full-Stack & AI
- Node.js, Express.js, NestJS, Serverless (AWS Lambda, Vercel, Netlify)
- Python (Flask, FastAPI, Django)
- Machine Learning / AI: PyTorch, TensorFlow, Scikit-learn, Hugging Face Transformers, NLP, Data Analysis
- REST APIs, GraphQL, WebSockets (Socket.io)
- PostgreSQL, MySQL, MongoDB, Firebase, Redis, Elasticsearch
- ORMs: Prisma, TypeORM, Sequelize

Testing & Quality
- Jest, React Testing Library, Cypress / Playwright (E2E)
- Unit, Integration, and End-to-End testing strategy
- ESLint, Prettier, TypeScript strict mode

Security & Best Practices
- Authentication & Authorization: JWT, OAuth2
- OWASP security awareness, CSRF/XSS prevention
- HTTPS / CORS management

PROFESSIONAL EXPERIENCE

12/2024 – Present
Michigan, USA

Senior Full Stack Developer
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- Built AWS Lambda functions and serverless workflows, improving platform scalability to handle 35% more traffic during peak times.
- Created many RESTful API endpoints with strong security, reducing risks by 60% and protecting sensitive data for over 50,000 users.
- Worked with product and marketing teams to redesign the mobile onboarding process, increasing user retention and improving experience by 40%.
- Led migration to serverless architecture using AWS Lambda, cutting server setup time by 75% and increasing system uptime from 99.95% to 99.99%.
- Improved database queries and backend algorithms, reducing API response time by 40% and making the app faster and more responsive.

- Set up monitoring and logging with AWS CloudWatch, helping to find and fix seven major performance issues and improving system stability.

06/2022 – 11/2024
Washington, DC

Full Stack Developer
Spatial Front, Inc.
- Designed reliable backend services using Node.js and improved Python scripts, supporting three key data-driven applications and increasing data ingestion by 30%.
- Managed migration of legacy APIs to a microservices architecture with Docker and Kubernetes, increasing data throughput by 70% and reducing average API latency by 40%.
- Moved legacy backend services to AWS Elastic Beanstalk, raising application uptime to 99.99% and cutting server costs by 20% through better resource use.
- Improved system stability by adding centralized logging, monitoring dashboards, and automated alerts, reducing average response time by 75 ms.
- Refactored backend code to lower technical debt and make the system easier to maintain in the long term.

01/2018 – 05/2022
Arlington, VA

Software Developer
Trout Unlimited
- Scaled a reusable component library and enforced WCAG 2.1 Level AA accessibility compliance, growing the library to 120+ components and ensuring consistency and accessibility across the application.
- Established Jest unit testing with ~80% code coverage, improving code quality and reducing testing time by 45%.
- Modernized a legacy codebase by transitioning from AngularJS to React, improving performance and maintainability and reducing lines of code by 34%.
- Spearheaded accessibility initiatives by conducting audits and implementing fixes, reducing accessibility issues by 65% and ensuring compliance with accessibility standards.
- Designed and implemented a staff directory UI with advanced search and filtering for 250+ users, enhancing user experience.
- Optimized website performance, reducing page load times by 41% through code splitting and image optimization techniques.

EDUCATION

09/2023 – 12/2025

Bachelor of Science in Computer Science
Oakland University