CHRISTOPHER BLAKEY

FULL STACK ENGINEER

christophergen1115@gmail.com | linkedin.com/in/christopher-blakey1115

github.com/pine-1244

PROFESSIONAL PROFILE

Full Stack Engineer with a software engineering background and a focus on AI-powered web and mobile applications. Works across React and Next.js interfaces, Python and Node.js services, and React Native applications for iOS and Android. Brings a practical approach to API integration, data flow, debugging, and deployment, with attention to maintainable code and clear communication.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, SQL, HTML5, CSS3

Frontend: React, Next.js, Redux, Tailwind CSS, Sass, Bootstrap, responsive web design, web accessibility, cross-browser compatibility

Mobile: React Native, Expo, iOS and Android applications, push notifications, mobile API integration

Backend and APIs: Node.js, Express.js, FastAPI, REST APIs, GraphQL, WebSockets, third-party API integration, payment integration

Databases: PostgreSQL, MongoDB, MySQL, Redis, Firebase, Supabase, database design

AI applications: Generative AI, LLM integration, RAG, AI agents, prompt engineering, LLM evaluation, embeddings, semantic search, vector databases, workflow automation

Cloud and security: AWS, Docker, OAuth 2.0, authentication, API security, application monitoring

Testing and delivery: Jest, Cypress, unit testing, integration testing, automated testing, debugging, performance optimization, CI/CD, GitHub Actions

Tools and practices: Git, npm, Webpack, Babel, browser developer tools, Agile development, code review, system design, technical documentation

PROFESSIONAL EXPERIENCE

Senior Full Stack Engineer, AI & Web Applications

INOXOFT | May 2024 - Oct 2026 | Newark, Delaware

- Developed web application features with React, Next.js, and TypeScript, connecting frontend workflows with Python and Node.js backend services.
- Integrated LLM-powered features and retrieval-based assistants, bringing relevant application data into AI workflows through embeddings and semantic search.
- Worked on API design, authentication, database integration, and error handling across application components.
- Evaluated AI responses and handled failure cases, with attention to useful output, clear user feedback, and dependable application behavior.
- Supported testing, debugging, deployment, and documentation to keep application changes understandable and maintainable.

PROFESSIONAL EXPERIENCE CONTINUED

Senior Full Stack Engineer, Web & Mobile

BlueLight | Apr 2021 - Mar 2024 | Sacramento, California

- Developed web and mobile application features using React, TypeScript, and React Native, connecting user interfaces with backend APIs.
- Built Node.js services and integrated application data with relational and document databases to support frontend and mobile workflows.
- Implemented mobile interactions and API integrations for iOS and Android, addressing loading states, validation, and error recovery.
- Investigated defects across frontend, backend, and mobile components; supported automated testing, code review, and incremental releases.

Full Stack Software Engineer

Modus Create | Sep 2018 - Dec 2020 | Reston, Virginia

- Built application interfaces with JavaScript, TypeScript, and React, organizing reusable components and connecting screens to backend services.
- Developed REST API endpoints with Node.js and Express.js and integrated SQL and MongoDB data stores with application logic.
- Worked through browser compatibility, responsive layouts, and application state to support consistent behavior across screen sizes.
- Refactored existing code, investigated application defects, and contributed unit and integration tests to support ongoing development.

Software Engineer, Web & Mobile

SF App Works | Sep 2016 - Aug 2018 | San Francisco, California

- Implemented responsive web interfaces with JavaScript, React, HTML, and CSS, translating interface requirements into working application features.
- Contributed to React Native mobile applications and connected user-facing screens with REST APIs and backend data.
- Supported Node.js and Express.js application services, including request handling, validation, and third-party API integrations.
- Troubleshot interface and API issues, tested changes across browsers and devices, and maintained code in Git-based development workflows.

EDUCATION

Bachelor of Science in Software Engineering | The University of Texas at Dallas

March 2012 - September 2016