Andy Blake

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Portfolio: [Andy Blake](#)

Github: devsniper1106/github

Summary

Full-stack engineer experienced (5+ years) in building **responsive**, **accessible** web applications. I write **clean, modular**, **well-documented** and testable code that is easy for teams to **understand, extend**, and **integrate**.

Education

Nagoya University — Japan
Master's in Software Engineering — *Dec 2021*
Affiliations: Graduate Teaching Assistant, Research Associate

Experience

IcestoneTech — China
Full stack Developer — *Aug 2023 - Present*

- Implemented responsive and accessible user interfaces using Next.js, React, and CSS, ensuring optimal user experience across devices.
- Utilized Redux for state management and React Router for routing, enhancing application functionality and navigation.
- Contributed significantly to the development of a scalable and performance-commerce platform, optimizing performance and user engagement.
- Played a key role in the integration of external APIs and services, expanding the platform's capabilities and enhancing its functionality.

PentCloud — Guatemala, Guatemala
Software Engineer Intern, Platform — *Jun 2021 - Aug 2023*

- Web Application Development: Led the design and development of a scalable web application for managing logistics and supply chain operations, utilizing React for the frontend and Node.js for the backend, resulting in a 30% increase in operational efficiency.
- API Integration: Developed and integrated RESTful APIs to connect frontend applications with backend services, ensuring seamless data flow and enhancing user experience.
- Database Management: Designed and optimized database schemas using MongoDB and PostgreSQL, improving data retrieval times by 40% through effective indexing and query optimization.
- Agile Collaboration: Collaborated with cross-functional teams in an Agile environment, participating in sprint planning, daily stand-ups, and retrospectives to deliver high-quality software solutions on time.

Skills

Frameworks : React, Next, Redux, NodeJS, LangChain, PostgreSQL, Express, MongoDB, Flutter, React Native
Tools   : Pinecone, ElasticSearch, Docker, Redis, AWS, gRPC, Sentry, LogRocket, Vecel, Firestore
Languages   : JavaScript, TypeScript, Python, Go, Java, C#, C++, GraphQL, Dart
Soft Skills   : Communication (verbal and written), Leadership, Collaboration, Mentorship

Projects

[Novmuser-ai](#) | *AWS, Open AI, Next, Type Script, Python, Tailwind* — 2024

- Overview : This Sass platform supports AI writing to create, design, and improve new Novel ideas. Reflects AI agents and AI virtual writing teams to enhance creativity and efficiency. And also design, manage, and track chapter topics and topic points to enhance clarity. And generate novel content chunks with AI and track the generated content comprehensively.
- Technology: As a full stack developer, I implemented two front-end websites(landing page and dashboard) and back-end. And I also integrated OpenAI agents into this platform for AI writing. The front-end is based on Next.js, TailwindCSS, and Material UI. The back-end is based on FastAPI and MongoDB. And it was deployed on AWS EC2 in Blue/Green fashion

[Telegram Mini App-Telebook](#) | *Telegram, Open AI, Python, Tailwind* — 2024

- Overview: Telebook is an innovative booking application that operates seamlessly within Telegram. It showcases a variety of features through multiple screens.
- Technology: The app provides an intuitive browsing experience with views and cards that allow users to easily navigate through options. It features smooth animations for seamless transitions and engaging interactions. The booking process is simplified through user-friendly forms and secure payment options. Additionally, the app utilizes mocked data to enhance user experience, showcasing available cities, hotels, rooms, and reviews.

[Incident Response](#) | *React, CloudFront, Docker, Socket.IO, MongoDB, Jenkins* — 2024

- Led the frontend development of a mobile-first communication platform for citizens and first responders during emergencies. Used Ant Design, Figma and Storybook for the UI, refactored the codebase and advised the team on best practices in UI development and accessibility. Deployed the app to S3 using Jenkins and CloudFront

Kanban Task Manager | *React, EC2, ECR, Docker, NodeJS, MongoDB*   *2023*

- Developed a responsive web app with pixel perfect user interfaces based on Figma designs. Used Client-Server architecture with dynamic theming and drag-and-drop UI, focusing on A11y, ARIA and Semantic HTML. Deployed to AWS EC2 using Docker and ECR with a CI/CD pipeline using Github Actions. Handled security with HTTPS/SSL on the AWS Load Balancer