

Drake Lefevers - Software Engineer / Full Stack Developer

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SUMMARY

Full-Stack Developer with 5+ years building scalable web platforms and measurable developer tooling. Experienced designing component systems and APIs used across 30+ applications, increasing developer productivity by 2x+ and reducing reported bugs by roughly a third. Background in government-scale platforms translates directly to high-stakes, high-leverage engineering, building the foundations other teams depend on.

EXPERIENCE

Edgewater Federal Solutions (Full Time) – Oak Ridge, TN

Full Stack Developer / Mar 2026 - Present

- Designing full-stack web applications using Java and JavaScript to support the processing and distribution of U.S. Department of Energy (DOE)-funded research.
- Spearheaded modernization of legacy frontends with Next.js and React.js, leading UI/UX development initiatives and serving as the subject-matter expert on modern web architecture and best practices.

Web Developer / Sept 2024 - Mar 2026

- Engineered robust validation logic for high-complexity government forms with strict regulatory and data requirements.
- Redesigned several outdated web apps to improve UI/UX.
- Built a shared component library centralizing UI across 30+ applications, cutting new application scaffolding time by 2x+ and reducing reported bugs by roughly a third, measured through GitLab Issues Stats.
- Built OSTI API Documentation, an internal platform that auto-generates OpenAPI specs into Markdown and Next.js pages, centralizing API documentation across the organization and reducing time-to-document for new APIs.

Linkme Global (Paid Internship) – Remote (United States)

Full Stack Developer / Feb 2024 - July 2024

- Built a business card scanner powered by computer vision and machine learning to digitize contact management and reduce paper waste.
- Developed real-time APIs and WebSocket servers in .NET/C# to support dynamic app interactions.
- Engineered a custom JavaScript framework and implemented UI components based on detailed Figma designs.
- Contributed research and feature proposals that shaped the core functionality of the Linkme Business app.
- Leveraged Webpack and Node.js for complex build tooling and runtime orchestration.

Streamline Network (Full Time) – Remote (United States)

Founder / Full Stack Developer / Nov 2019 - Feb 2023

- Developed a high-performance web application using Next.js, increasing user engagement by 50% and reducing bounce rate by 30% by identifying drop-off points and iterating on the user experience.
- Created and integrated a custom Java API to share data between several servers reliably and securely.
- Integrated APIs such as the Discord API to enhance the application's functionality.
- Implemented React Query and React Hook Form for efficient state management and data synchronization.

FEATURED PROJECTS

Portfolio: <https://drakel.dev>

Github: <https://github.com/Hexy32>

Award DOI Service (ADS)

Full-Stack Government Persistent Identifier Platform

- Created an organization-wide design system, standardizing UI/UX across multiple applications.
- Modernized the platform using Next.js, React, and TypeScript, improving scalability and maintainability.
- Deployed containerized services with OpenShift (Kubernetes) to support secure, scalable infrastructure.
- Built a search-indexed public award lookup with authenticated workflows for managing award records
- Built OSTI API Documentation, a platform that auto-generates OpenAPI specs into Markdown and Next.js pages, centralizing API documentation across the organization.

DOE Energy-Link (E-Link)

Full-Stack Government Intake Platform

- Led a complete UI redesign using Java, Mustache, JavaScript, and CSS to deliver a responsive, modern experience aligned with government accessibility and UX standards.
- Designed and implemented key features including a dashboard that received strong positive feedback from end users.
- Received a Certificate of Appreciation from the Director of the Office of Scientific and Technical Information for exceptional contributions.

Linkme Business App

Full-Stack Contact Management System

- Developed a business card scanner using computer vision AI and machine learning to digitize contact workflows.
- Built C# WebSocket servers and REST APIs for real-time features; used Node.js and Webpack for backend tooling.
- Engineered a custom JavaScript framework (Dego) and implemented responsive UI based on Figma designs.

SKILLS

Languages

TypeScript, JavaScript, Java, C#, SQL, HTML, CSS, Lua

Frameworks & Libraries

React, Next.js, Node.js, Electron, Sass, Firebase, .NET

Tools & Platforms

Git, Linux, Figma, Webpack, Vite, REST APIs, OAuth 2.0, Netlify

Cloud & DevOps

GitHub Actions (CI/CD), GitLab CI/CD, Azure DevOps

Concepts

Full-Stack Development, Scalable Web Architecture, Responsive UI/UX, Real-Time Systems, Form Validation, Legacy Modernization

EDUCATION

Professional Development & Independent Study

2020 - Present

- Completed coursework in data structures, algorithms, full-stack development, and UI/UX.
- Proficient in TypeScript, JavaScript, React, Node.js, and Java through hands-on projects.