

David Nixon

Full Stack Software Developer | Scalable Web Applications & DevOps



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SUMMARY

Results-driven Full Stack Software Developer with years of experience designing, developing, and deploying scalable web applications. Adept at integrating AI-driven automation, optimizing performance, and leading global teams to deliver impactful solutions. Recognized as a **Senior Technical Staff Member (STSM) at IBM**, contributing to innovative, high-performance applications. Expertise in **Vue.js, React, Java, PHP, Docker, Cloudant, and CI/CD**.

EXPERIENCE

IBM | Senior Full Stack Developer

2020 - Present

- Architected and led development for **scalable web applications** using **Vue.js, React, Java, and Next.js**, improving efficiency and maintainability.
- Designed and implemented **RESTful APIs** to enhance global content curation applications.
- Spearheaded cloud migration on **IBM Cloud**, reducing deployment time by **200%** and increasing system stability.
- Led a **cross-functional team** to develop client-facing **3D immersive experiences**.

IBM | Senior Front-End Developer

2018 - 2020

- Developed **dynamic and responsive web applications** with **Vue.js (Vue 3, Vuex, Pinia)**, improving performance and maintainability.
- Translated **Figma wireframes** into high-quality, interactive UIs, ensuring a seamless user experience.
- Integrated **OAuth/OpenID authentication**, securing applications with token-based authentication.
- Optimized front-end performance with **lazy loading and code-splitting**, reducing initial load times.

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- Implemented **CI/CD pipelines** to streamline deployment, ensuring consistent and efficient updates.

IBM | Senior DevOps Engineer

2016 - 2018

- Automated deployment of event marketing web applications, improving security and reducing downtime.
- Managed **CI/CD pipelines** using **Jenkins, GitHub Actions, and Docker**, improving deployment efficiency.
- Designed and implemented containerized applications with **Kubernetes (Code Engine)**.
- Reduced manual intervention by **95%** through automated infrastructure provisioning on IBM Cloud.

IBM | Senior Software Engineer

2010 - 2016

- Lead developer for **WebSphere Portal**, supporting **Fortune 100 clients** such as **Wells Fargo, ADP, and Amtrak**.
- Developed the first **cloud-based SaaS version** of WebSphere Portal using **SoftLayer**.
- Led migration and installation tooling efforts, simplifying customer deployments.

TECHNICAL SKILLS

Front-End: Vue.js, React, Next.js, Nuxt.js, Tailwind CSS, JavaScript, HTML, CSS, SCSS

Back-End: PHP, Java, C++, Node.js, Express, PostgreSQL, Db2, Cloudant (CouchDB)

Cloud & DevOps: Docker, Kubernetes (Code Engine), AWS, IBM Cloud, Jenkins, GitHub Actions, CI/CD

Security & Authentication: OAuth, OpenID Connect, API Security

Version Control & Project Management: Git, GitHub, Jira

CERTIFICATIONS

- **Senior Technical Staff Member (STSM)** – IBM
 - **Data Privacy Advocate** – Credly
 - **Enterprise Design Thinking Practitioner** – IBM
 - **C++ Gold Level** – HackerRank
 - **SQL Bronze Level** – HackerRank
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PROJECTS

Event Content Curation

- Developed a **full-stack web application** using **Vue.js, Node.js, and PostgreSQL** for data management.
- Integrated **CI/CD pipelines** to automate testing and deployments, ensuring smooth rollouts.

Client Journey Optimization

- Designed a collaborative **review platform** for client engagements, accelerating deal closures.
 - Implemented **Cloudant (CouchDB) for NoSQL data storage**, improving performance.
 - Created a **backoff scheme for API rate limits**, reducing database costs by **10%**.
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OPEN SOURCE & COMMUNITY INVOLVEMENT

- **Lead Contributor** – Carbon Vue Components (IBM)
 - **Member** – Call for Code (Linux Foundation)
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EDUCATION

B.S. Computer Engineering – Auburn University
