# **David Nixon**

# Cloud & Full Stack Software Engineer



dwnixon@gmail.com 🚺 🛅 🝳 Atlanta, GA







https://www.davidwnixon.com/summary

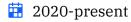
### **SUMMARY**

I am a Cloud and Full Stack Software Engineer with years of experience building scalable, cloud-native applications. I specialize in deploying robust solutions leveraging IBM Cloud, and Kubernetes. My expertise spans cloud infrastructure, DevOps automation, serverless computing, and full-stack development. I have led global teams, driving innovation through AI integration, CI/CD automation, and scalable cloud architectures. As an IBM Senior Technical Staff Member (STSM), I am recognized as a leader in cloud engineering and software development.

### **EXPERIENCE**

# Senior Cloud & Full Stack Developer

### **IBM**



- Architected and deployed cloud-native applications on IBM Cloud, optimizing performance and cost efficiency.
- Led the migration of legacy systems to containerized environments using Docker, and Kubernetes (Code Engine), achieving a 200% improvement in deployment time and enhanced system reliability
- Developed and managed serverless functions for eventdriven applications using IBM Cloud Functions

### SKILLS

#### Client side

Vue.js Nuxt.js Next.js React tailwindcss JavaScript npm yarn pnpm HTMLCSS SCSS

#### Server side

Serverless (Code Engine, Functions) openid Microservices OAuth Secure endpoints with API keys PostgreSQL Db2 Couchdb Cloudant **Express** REST APIs design

# DevOps

CI/CD Docker Travis GitHub Actions Jenkins Git GitHub IBM Cloud **AWS** Jira cron jobs

# Languages

JavaScript Java Python Bash zsh

- Automated CI/CD pipelines using GitHub Actions, Jenkins, and Travis, reducing deployment times by 80%.
- Spearheaded observability improvements, implementing Instana for system monitoring and alerting.

# **Senior DevOps Engineer**

#### **IBM**



Automated the deployment of event marketing web applications to IBM.com, increasing security, reliability, and speed-to-deployment.

- Automated cloud infrastructure provisioning, reducing manual setup time by 95%.
- Implemented secure authentication mechanisms (OAuth, OpenID) for cloud-hosted applications.
- Designed and maintained high-availability cloud architectures, improving uptime and system resilience.
- Managed cloud security best practices, including IAM policies, encryption, and network security.

# **Senior Software Engineer**

#### **IBM**

**2010-2016** 

Lead developer for WebSphere Portal supporting clients such as Wells Fargo, Brown Brothers, ADP, and Amtrak. Simplified the functionality enabling IBM to sell it to small businesses.

- Led development of IBM WebSphere Portal's first cloudbased SaaS offering using SoftLayer.
- Developed migration and installation tools, working directly with Fortune 100 clients.
- SME presenter at Portal conferences

## **CERTIFICATIONS**

Senior Technical Staff Member (STSM)

**IBM** 

**Data Privacy Advocate** 

Credly

Open Source Strategic Commiter

**IBM** 

Enterprise Design Thinking Practitioner

Credly

C++ Gold Level

**HackerRank** 

Sql Bronze Level

**HackerRank** 

Linux Shell - 100%

**HackerRank** 

### **PROJECTS**

### **Event Content Curation**

 Developed a full-stack web application using Vue and Node.js, integrating PostgreSQL for data storage and management. • Set direction for development with other members of senior leadership team

### **EDUCATION**

# **Bachelor of Science in Computer Engineering**

**Auburn University** 

Implemented CI/CD
 pipelines to automate
 testing and deployment on
 IBM Cloud, achieving
 compliance to data and
 security requirements,
 ensuring stability, and
 enabling observability

# **Client Journey**

- Designed an architecture for enabling client to collaboratively review plans for on-site engagements with SME before the engagement begin which allowed deals to close faster.
- Designed the CI/CD pipeline, utilizing Docker and Code Engine (Kubernetes) for deployment.
- Leveraged Cloudant/ CouchDB for NoSQL data storage, optimizing application performance.
- Designed simple backoff scheme to accommodate low rate-limit APIs which resulted in 10% saving in db infrastructure costs

### **OPEN SOURCE**

- Member, Call for Code (Linux Foundation)
- Lead Contributor, Carbon
  Vue components