Josh Knopp
DIRECTOR OF ENGINEERING

SUMMARY

Experienced and innovative Director of Engineering with over 15 years of hands-on development, team leadership, and Agile engagement.

Adept at leveraging both technical expertise and strong interpersonal skills, I have successfully delivered clean and efficient full-stack solutions in a variety of both legacy environments and ideation-to-production. I provide visionary leadership to product teams, having excelled in roles including Product Owner and Scrum Master.

Recent focus on enhancing developer experience includes implementing a blue/green deployment pattern for streamlined and de-risked release activities. Currently, I am driving an internal innovation initiative, aiming to democratize access to AI tools within the enterprise through an AI-as-a-Service model.

Side projects include exploring Infrastructure-As-Code platforms and integrating AI capabilities like large-language models into user experiences.

PERSONAL DETAILS

Location
Charlotte, NC

CONTACT

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in josh-knopp

🐙 joshknopp

WORK EXPERIENCE

● Director of Engineering

Q2 STRATEGIES   Apr 2022 - Present

I am hands-on developing products for the Office of the CIO at a multinational Fortune 500 financial institution, focusing on Angular, SQL Server, and a proprietary API layer (Q2 Domain Manager). I manage and mentor a cross-functional Scrum team and practice servant leadership in the role of Scrum Master.

I work closely with product ownership and UX designers, partner with external technical teams to fulfill critical data dependencies, and present key milestones to executive committees. I successfully reduced production release downtime from several hours to zero by building a blue/green deployment pattern from scratch, and integrated into Gitlab CI/CD pipelines and Ansible job templates to automate all deployment tasks. I drove quality culture by introducing the team to SonarQube and enforced test coverage requirements for all product increments. I recently ideated and secured prioritization for an "AI-as-a-Service" innovation initiative.

● Senior Vice President; System Architect

BANK OF AMERICA   Oct 2013 - Apr 2022

In this leadership capacity, I simplified and streamlined technology change management via ideation, high-level design, hands-on tech lead implementation, and product ownership of a critical regulatory initiative, resulting in an impressive $8M in savings. Engaging directly with the executive steering committee, I secured funding and promoted advancements while leading the development of cloud-native/12 factor applications using Java, Spring Boot, Spring Cloud, Spring Cloud Contract, MongoDB, and Oracle.

Additional experience at the Bank included senior roles in developing web applications for internal customers using technologies such as C#, .Net, Telerik Kendo UI, jQuery. I built and maintained data stores in Oracle and SQL Server, designing relational data structures and improving performance via DDL and DML. Throughout these roles, I consistently demonstrated a commitment to driving innovation, ensuring operational efficiency, and contributing to the strategic growth of the organizations I served.

● Lead Software Engineer

ADVANTOR SYSTEMS CORPORATION   May 2010 - Sep 2013

Lead developer of a real-time alarm monitoring and access control security suite for clients such as the U.S. military and large corporations. (Adobe Flex, AIR, Java, hardware integration)

● Web Development Lead / Information Security Manager

AMERINATIONAL MANAGEMENT SERVICES, INC   May 2006 - May 2010

Lead developer for full-stack internet applications (Adobe Flex, SQL Server) including e-commerce integration and PCI DSS compliance.

EDUCATION

● BS, Information Technology

UNIVERSITY OF CENTRAL FLORIDA   1999 - 2004

SKILLS

| TypeScript | Java | Spring Boot | Angular | Node.js | Ansible | CI/CD | Oracle |

| SQL Server | Database Administration | Change Management | Product Development |

| Process Improvement | Problem Solving | Communication | Leadership |

| Agile Methodology | SonarQube |