KHOA NGUYEN

Fountain Valley, CA ▪ (562) 546 – 2548 ▪ k@khoa.one ▪ www.khoa.one ▪ linkedin.com/in/nguyenkhoa

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PROFESSIONAL EXPERIENCE

INTUIT, INC.   2022– PRESENT
SENIOR SOFTWARE ENGINEER   SAN DIEGO, CA

– Successfully autoscaled 13 clusters handling half a billion weekly transactions. However, I found a more cost-effective solution by performance tuning Spark using data-driven methodologies.
– Reduced 3-4 pagers a day to an average of 0 pagers by improving error detection capabilities and Spark performance.
– Improved cluster performance by over 300% by optimizing resource allocation and identifying inefficient algorithms. Reduced consumer lag by 200x by implementing a more efficient data processing pipeline.
– Played a key role in the successful completion of a challenging migration project that had been previously canceled due to difficulties. Contributed to the project's success by identifying and resolving critical issues, collaborating with team members, and ensuring timely delivery.

ORANGE COUNTY GOVERNMENT   2018 – 2022
SOFTWARE ENGINEER   ORANGE COUNTY, CA

– Architect, develop, and maintain multi-tenant applications to improve operational efficiency for multiple agencies
– Converted legacy applications to streamline functionality and modernize the tech stack
– Developed multiple internal financial and workflow applications, public-facing applications, and internal reports
– Collaborate with team members on technical projects -- ensuring optimal communication and delivery
– **Tools**: C#, .NET Core, MVC, SQL Server, JavaScript, SSRS, Telerik, Oracle, Azure, TFS

EXEMPLIS, LLC   2016 – 2018
SOFTWARE ENGINEER   CYPRESS, CA

– Developed applications and reports that optimized the manufacturing process by delivering key metrics and data-driven insights to senior leadership and field personnel
– Converted legacy applications and reports
– Created data migration procedures from legacy ERP to Dynamics AX to ensure a streamlined transition
– Developed inventory tracking, orders completion tracker, data migration, shipping management software, manufacturing progress tracking software, and customer portal
– **Tools**: C#, .NET, MVC, SQL Server, JavaScript, Crystal Reports, Microsoft Dynamics X++, DevExpress

HOURX INTERACTIVE   2014 – 2016
SOFTWARE ENGINEER   IRVINE, CA

– Designed and developed in-flight entertainment systems for airlines which included games, videos, and music features
– Streamlined the shipping processes by 80% through leveraging integrations -- fulfillment improved from 3 days to a few hours
– Collaborated in group and individual settings to ensure timely and optimal project delivery
– **Tools**: C#, .NET, MVC, SQL Server, JavaScript, ShipStation, Shopify, Amazon, eBay, AdWords, SEO

EDUCATION

California State University, Fullerton
Bachelor's: Management Information Systems

SKILLS, OTHER TECH & INTERESTS

– **Skills**: Application development; blockchain development; SQL; strategic planning; enterprise solutions; user experience; data migration; agile methodologies; troubleshooting; testing & implementation; cloud-based technologies
– **Other Tech**: blockchain; Nodejs; Python; PostgreSQL; Puppeteer; Linux Server; Azure; AWS; GCP
– **Interests**: Piano; blockchain; politics; sustainability; mindfulness; nutrition; Tesla/SpaceX