JACOB Z

Cincinnati, Ohio   mail@jakez.me

Federal Home Loan Bank of Cincinnati   **Cincinnati, Ohio**
Lead Software Engineer   **August 2023 - Present**

- Led an 8-member development team in architecting and launching a mission-critical banking application, redesigned from inception to production using C#, Azure Functions, Angular, and SQL Server, enhancing functionality and user experience for the bank's entire customer base.
- Partnered with experience designers to create and implement a cohesive UI design system, standardizing visual and functional elements across the bank's application portfolio to ensure a seamless and consistent user experience.
- Championed the adoption of Terraform for Infrastructure as Code (IaC), enabling consistent and replicable application environments across development, user acceptance testing, and production stages.
- Mentored a team of four engineers in implementing enterprise-wide product increments, establishing predictable release cycles that aligned with management expectations and improved project transparency.
- Worked closely with architects and engineers to develop and enforce an API style guide, promoting uniformity and best practices across application interfaces to ensure consistent and maintainable connections across a micro service architecture.

84.51° (The Kroger Company)   **Cincinnati, Ohio**
Lead Software Engineer   **October 2021 - July 2023**
Senior Software Engineer   **June 2019 - October 2021**
Software Engineer   **June 2018 - June 2019**

- Spearheaded the migration of four high-revenue products to Okta, completing the transition within two months of procurement, and integrated five additional systems within a year, enhancing security and user management capabilities.
- Fast-tracked CI/CD process development to deliver a new user authorization management application (Spring Boot, Angular, MySQL) within two weeks, optimizing deployment speed and operational efficiency.
- Designed and implemented a comprehensive communications strategy for developers, customers, support, and account management teams, enabling a smooth transition of thousands of users to Okta with minimal support tickets.
- Conducted a two-day requirements-gathering workshop with over 15 cross-functional stakeholders, identifying critical capabilities for the design of a cutting-edge authentication solution.
- Collaborated with business stakeholders to assess and quantify the operational and financial impact of new authentication and authorization services, achieving savings in the multimillion-dollar range.
- Drove four product initiatives that boosted net promoter scores from negative levels to over 60, directly enhancing customer satisfaction and loyalty.
- Developed tools empowering support teams to independently resolve common issues, reducing monthly engineering ticket escalations from 40 to under 10 and streamlining problem resolution.
- Integrated multiple third-party SaaS tools and an application built with Angular, Spring Boot and MySQL, enabling data brokers and CPG clients to access critical data insights quickly and securely.
- Utilized Test-Driven Development (TDD), CI/CD, and Agile methodologies to deliver a high-value, multimillion-dollar Insights tool on schedule, ensuring quality and efficiency at each development phase.

The University of Cincinnati   **The University of Alabama**
Master of Business Administration   Master of Science in Computer Science
                                              Bachelor of Science in Computer Science

Java	Angular	C#/.NET Core	Azure	JavaScript	Python
TypeScript	Spring Boot	SQL	Okta	Entra/AAD	Terraform

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ADDITIONAL EXPERIENCE

PA Software, LLC (Defunct Startup)   **Madison, Alabama**
Co-Founder   **February 2016 - December 2020**
- Created advanced computer vision algorithms for accurately calculating baseball velocity using a single-lens camera, designing an innovative application to help pitchers enhance velocity and targeting precision.
- Optimized computer vision algorithms for iOS, developing an iPhone app with integrated in-app purchases, allowing users to unlock advanced features for enhanced functionality.
- Launched an application leveraging multiple advanced computer vision algorithms to calculate launch angle, exit velocity, and field angle for hitters, offering a data-driven tool for improving form and performance.
- Adapted quickly within a startup environment to develop and deploy two high-impact applications, bringing advanced computer vision technology to sports training.

Insuresoft   **Tuscaloosa, Alabama**
Staff Developer Level 1   **October 2014 - May 2018**
- Developed and maintained cross-platform iOS, Android, and Windows applications integrated with a property and casualty insurance policy processing system built on the .NET Framework, enhancing system accessibility and functionality for policyholders.
- Streamlined mobile app release processes by automating build and deployment pipelines for Android and iOS applications to Google Play and TestFlight, improving release efficiency and reducing manual effort.
- Created comprehensive documentation for and maintained internal applications that optimized business operations, including task and time tracking systems, as well as build and deployment solutions.
- Designed and implemented solutions for deploying client-customized, 3-tier .NET applications to Azure App Service and Azure SQL, ensuring scalable and reliable cloud-based operations.

RESOURCES

Forbes (PA Software, LLC)   Sports Illustrated (PA Software, LLC)

Tuscaloosa News (PA Software ,LLC)   84.51° Stratum Release (84.51°)

The University of Alabama News (PA Software, LLC)   GitHub

Innovators Mag (PA Software, LLC)   LinkedIn

REFERENCES

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