Joseph Lorich

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KEY SKILLS

Languages/Frameworks: C#, .NET Core, ASP.NET, Ruby on Rails, TypeScript, Java, Objective-C, SQL
Azure Services: AKS, Service Fabric, Azure Functions, Web Apps, ACI, APIM, AAD + B2C, Logic Apps
Databases/ORMs: SQL Server, Cosmos DB, PostgreSQL, MySQL, Entity Framework, Active Record
Tools: Visual Studio, VS Code, Docker, Terraform, Azure DevOps, Azure CLI, Bash, Jira, Git, Photoshop

EXPERIENCE

Senior MTC Technical Architect - Azure App Development at Microsoft — April 2018 - Present

- Led architecture design sessions, workshops, educational briefings, and proofs of concept for numerous enterprise companies — helping drive their strategies for software design, DevOps, and cloud migrations.
- Helped Microsoft customers develop cloud-native applications. Guided architecture and development of complex solutions leveraging microservices, containers, serverless platforms, API gateways and more.
- Leveraged relationships built across multiple organizations to help instill confidence in Microsoft's products and services, leading to strategic, significant, and valuable product adoptions and platform migrations.
- Worked closely with product teams to facilitate new technology adoption and capture customer feedback.

Lead Software Engineer at UniKey Technologies — May 2015 - December 2017

- Managed a team of 8+ developers building web and API products. Provided technical expertise in development, architecture, performance, and scalability. Provided frequent individual guidance and coaching.
- Developed and supported APIs with Azure Cloud Services and Azure Service Fabric powering numerous commercial and residential IoT access control products, serving more than 10mm API requests each day.
- Developed software to serve 20,000+ persistent WebSocket connections. Implemented asynchronous message processing using Azure Service Bus to achieve scalability in handling over 5mm messages per day.
- Led development of a public RESTful API empowering partners to develop their own applications on the UniKey platform as well as enabling integrations with Amazon Alexa, SmartThings, Nest, and Honeywell.

Lead Engineer at Cloudspace — September 2012 - May 2015

- Led teams of engineers in developing Ruby on Rails, iOS, and Android applications. Developed architecture plans for new projects and assisted in their implementation. Facilitated team member learning.
- Implemented company-wide CI/CD and quality standards leading to significantly increased productivity.
- Worked as a full-stack engineer developing Objective-C iOS applications and Ruby on Rails APIs backed by PostgreSQL and Redis. Managed production environments hosted with Amazon Web Services EC2.

Software Development Contractor — December 2009 - September 2012

- Developed numerous full-stack web and data analysis projects leveraging Python, Django, and PostgreSQL.
- Developed a C++ application that interfaced with financial trading software and executed stock trade orders in real-time based on results from a distributed Python-based market analysis cluster.

UCF/Lockheed Martin CWEP — July 2008 - November 2009

- Worked to migrate legacy DB2-based applications to a C#/ASP.NET Web Forms app backed by SQL Server.

EDUCATION AND ACHIEVEMENTS

Microsoft: Certified Azure Solutions Architect Expert — 2019
University of Central Florida: B.S. Double Major - Computer Science; Information Technology — 2010