

Joseph Lorch

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KEY SKILLS

Languages/Frameworks: C#, .NET Core, ASP.NET, Ruby on Rails, TypeScript, Bash, 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, Azure DevOps, Jira, Git, Redis, Memcached, Photoshop

EXPERIENCE

MTC Technical Architect - Azure App Development at Microsoft

April 2018 - Present

- Led workshops, educational briefings, architecture design sessions, 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, capturing and relaying 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 which handled 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 memcached. 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 using MS 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