

JIVKO KOLEV

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Principal Software Engineering Manager • Software Architect • Software Developer

PROFILE

Highly accomplished, results-driven Principal Software Engineering Manager with 15-year Microsoft background. Experienced in managing entire services development cycle. Special expertise in system design, scalability & optimizations. Innovative developer with superior technical skills. [Github profile](#).

Core Competencies:

Demonstrated ability to manage complex projects • Experience with massive enterprise scale and cloud technologies • Building and leading effective engineering teams • Experience with large-scale software development practices • Steadfast implementation of customer driven requirements across multiple service offerings • Software Engineering • Analysis • QA •
• Process Optimization • Architecture • Agile/Scrum/TDD/Waterfall Design

TECHNICAL SKILLS

Languages: C#, C++, ObjectiveC, Swift, JavaScript, Java, Python, SQL, HTML, CSS, Bash, Powershell

Tools & Frameworks: .NET (1.0-4.5), Windows SDK, iOS SDK, Visual Studio, Eclipse, XCode, Vim, Git, TFS, Subversion, Elasticsearch

Databases: SQL Server (7, 2000-2016), MySQL, Redis

Platforms: Windows, GNU/Linux, macOS

PROFESSIONAL EXPERIENCE

MICROSOFT CORPORATION, Redmond, WA 2001 - Present

Engineering Manager, Visual Studio Division - Cloud Services (2013-current)

Responsible for user identity, authorization, and licensing functionality in Visual Studio Team Services (VSTS).

Responsible for supporting and scaling the cloud system for millions of users.

Onboarded the first 5 1000+ user companies to VSTS.

Software Engineer, Visual Studio Division - Cloud Services (2012-2013)

Founding member on the Visual Studio Online - Foundation Services team.

Responsible for user identity and authorization functionality within Visual Studio Online.

Interview prospective candidates and mentor junior team members.

Software Engineer, Visual Studio Division - Team Foundation Server (TFS) (2011-2012)

Senior member on the workitem tracking server platform team.

Interview prospective candidates and mentor junior team members. Manage interns during their internship.

Introduced, architected, and implemented feature configuration switches and A/B testing across TFS.

Work on moving the TFS functionality to the cloud - MS Azure.

(Software Engineer, Microsoft, continued)

Software Engineer, AdCenter Division - Audience Intelligence. (2010-2011)

Design and develop real-time behavioral targeting system as key member of 200-person development team. System provides ability for instant user ad targeting and integrates with Cosmos (Hadoop-like MapReduce clusters). Assist with interviewing of prospective team members.

- Introduced architecture, design, and development of User Centric Data Platform.
- Streamlined development life cycle from 6 months to 1 month by working with two senior engineers on architecting and redesign of software delivery process.
- Reduced running time of system from 5 days to 1 day by implementing data life cycle for importing, filtering, merging, sorting, and exporting data from Windows Live user base.
- Personally prototyped first AdCenter AI Windows Phone application.

Software Engineer, Office Division (2001-2010)

Carried out development of MS Project Server software, including new platform features such as asynchronous communication, versions upgrade, data access, safe dynamic queries, and databases. Investigated and resolved performance, scalability, concurrency, and throughput issues. Mentored junior staff members. Identified and eliminated bottlenecks in web front end, application, and DB server. Authored test scripts. Created infrastructure for performance testing.

- Earned Engineering Excellence award for Customer Connection and Assistance (2004).
- Improved efficiency and quality by designing and implementing user, stress, performance, and concurrency test tools and scenarios.
- Subject Matter Expert (SME) on Project Server Performance. Frequently called upon to identify and resolve complex performance and scalability issues in enterprise-level deployments.
- Recognized as one of leading SQL experts in MS Office organization. Selected to conduct SQL optimization courses for Office Server groups.
- Facilitated success of long-term, high-revenue agreements with EDS and Continental Airlines by investigating and eliminating critical Project Server performance issues and improving core system performance 60x.
- Invented Database Depot system (similar to Visual Studio for Database Professionals) to aid large enterprise development teams with database changes, upgrades, and maintenance.

PM Mobile, Seattle, WA

2012 - current

Owner

Hobby - mobile productivity apps (iPhone, Windows Phone) for Microsoft ProjectServer.
www.projectservermobile.com

PRO2NET CORPORATION, Seattle, WA

2000 - 2001

Application Developer

Designed, developed, and tested the middle-tier and back-end components for Internet content stores providing information for accounting, legal, finance, and insurance industries. Formulated data schema and stored procedures for production databases.

- Created and delivered middle tier of company's core offering.

ADVANCED RESEARCH SYSTEMS, Seattle, WA

1998 - 2000

Software Systems Engineer

Developed stored procedures, SQL Server views, VB applications, COM components, and more for company's flagship suite of VB/SQL-based products. Involved in formal design and code reviews.

- Improved functionality by designing components and enhancements for flagship products.
- Enabled product sales to large hospitals by tuning and optimizing product suite to scale enterprise data levels.
- Extended functionality of COM controls and relational data structures.

EDUCATION

BS in Computer Systems, City University, Seattle, WA

Course work in Computer Science & Finance, University of National & World Economy, Bulgaria

CERTIFICATIONS & TRAINING

[Stanford \(Coursera\) - Interactive Programming in Python](#)

[Stanford \(Coursera\) - Cryptography I](#)

[Stanford \(Coursera\) - Startup Engineering](#)

MCSD - Designing and implementing SQL Server 2000

MCSD - Designing and implementing Distributed Applications with Microsoft Visual Basic 6.0

MCSD - Designing and implementing Desktop Applications with Microsoft Visual Basic 6.0