

Alex Gorevski

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Skilled enterprise software developer, specializing in scalable systems and big data.

Recent Experience

Microsoft – Analog Data Insights – Senior SDE

June 2017 – Present

Created tooling to gather insights over Petabyte-scale data through a C# domain-specific-language.

- Implemented microservices integrating team tooling with the build system. (Azure Service Fabric, GIT)
- Authored a VS extension for quick and easy project creation with annotated examples. (C#, DTE, VSIX)

Microsoft – Analog Analysis Platform – HoloLens – Senior SDE

2015 – 2017

Optimized a mature platform for reliability, scalability, and runtime performance using Azure's tech stack.

- Evaluated bleeding edge Azure offerings through fail-fast prototyping. (Azure Batch, App Service Environment, Network Virtualization, PaaS & IaaS, Tables & Blob Storage, SQL Elastic Scale, ExpressRoute, Scheduler, Virtual Machine Scale Sets)
- Engineered the staging environment, disaster recovery, and rollback solutions. (C#, PowerShell)
- Advanced uptime to 99.9% and enabled single click, weekly platform deployments. (C#, ASP.NET)
- Ported Iris Recognition and Audio tech stacks. Accelerated the dev inner-loop from days to minutes.
- Reconciled competing platforms and reduced the Azure yearly spend by over \$500k. (C#, SQL)
- Formalized a 'jump box' system design to enable platform usage on custom OS & hardware. Leveraged the system on an on-premise HoloLens cluster for E2E testing. (C#, PowerShell, Batch)
- Furthered platform support of non-C# computing languages in the runtime. (R, Python, MATLAB)

Microsoft – Analog Insights and Efficiency – HoloLens – Senior SDE

2013 – 2015

Developed features for the organization's first HPC cluster for Ground Truth Analysis using Azure's tech stack.

- Implemented file affinity & caching algorithms and lessened job runtimes. (C#)
- Pioneered the division's first deep-analysis platform. (SQL Elastic Scale)
- Designed fine-tuned VM scaling algorithms based on job queueing and run-type. (C#)
- Discovered several high-profile ship-stopping issues Azure datacenters. (SQL, Azure Management APIs)
- Presented brown-bags on best practices when writing efficient, idempotent cluster-compute code.

Microsoft – Windows Inbox Applications – Calendar – SDET II

2012 – 2013

Developed test infrastructure for 3rd party developer APIs used by the Windows 8 Calendar app. (C#, JavaScript)

Microsoft – Windows Live Communications – Platform – SDET II

2008 – 2012

Owned the test infrastructure for the entire sync stack across all Windows Live Client Applications.

- Authored an emulator for protocol replication and fuzzing in a test environment. (C#, REST, SOAP, EAS)
- Spearheaded bug RCAs and drove product code restructuring for testability. Achieved 90% arc coverage and five nines stack reliability. (C#, C++)

Savant Systems – Hardware Engineering – Intern

2007

Designed PCBs and programmed firmware for a suite of home automation products. (C, C++)

Paychex – Quality Assurance – Intern

2006

Tested releases of internal payroll software, replacing the aging COBOL solution. (Java)

Education – Rochester Institute of Technology

Bachelor of Science – Computer Engineering with Software Engineering Option