

Keisuke (Adrian) Kato

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Work Experience

Microsoft July '22 – Present

Software Engineer (Azure Resource Manager) Seattle, WA

- Automated end-to-end deployment pipelines for **Azure Managed Applications**, utilizing **Kubernetes** and **Docker and internal tools** to ensure high availability across global regions and reducing manual deployment overhead by **50%**.
- Scaled service capabilities by porting and validating core features across **Public and Government clouds**, ensuring 100% feature parity and compliance with region-specific security protocols.
- Architected and launched a self-service onboarding tool for **third-party ISVs**, reducing partner integration friction and accelerating time-to-market for new service offerings by **3 weeks**.
- Engineered comprehensive monitoring and runners for Managed Application Service using Synthetics, Managed **Prometheus** and **Grafana**, improving **Detection** for critical service outages to **100%**; saved an estimated **\$250k/year** in potential SLA credit payouts and avoided high-priority incident management costs.

Ernst & Young August '20 – June '22

Technology Consultant (Tax Technology and Transformation) New York, NY

- Streamlined tax data transformation by designing robust **RESTful APIs (C#/.NET)**, enabling seamless data exchange between legacy SQL Server databases and modern cloud-based tax platforms.
- Developed and deployed **Python-based automation scripts** that replaced manual data entry workflows, saving the client **80 hours** of manual labor per month and increasing data accuracy to **99.9%**.

Multi-Campus Research Experience for Undergraduates Program June '19 – August '19

Undergraduate Research Assistant State College, PA

- Developed an immersive VR training module for Industrial Engineering (IE 322) using **Unity** and **C#**, deploying to Oculus Go hardware to facilitate remote, hands-on learning for 20+ students.
- Optimized UX/UI workflows.

Technical Skills

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- *Languages:* Python, SQL, C#, Git, C++, Bash
 - *Frameworks:* Kubernetes, Docker, .NET, Azure, REST, Linux, React.js, Django, Prometheus, Grafana

Education

The Pennsylvania State University University Park, PA

- **Bachelor of Science in Computer Science**
- **Cumulative GPA: 3.7/4.0**