

Adam Mirza

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Experience

Microsoft – Redmond, WA

Software Engineer II | Dataverse EPICS

September 2021 - Present

- Developed engineering systems and tools that significantly enhanced developer productivity, supporting operations generating over \$2 billion in revenue.
- Crafted and deployed software for standardized branch cutting to enhance prod environment stability and improve deployment processes
- Constructed an AI chatbot to streamline search and on-call processes, enhancing responses to hundreds of incidents every week
- Leveraged PowerBI, Kusto, and ServiceFabric to create innovative metrics and analytics tools, improving compliance governance across the organization
- Orchestrated platform modernizations that reduced COGs by over 20%, saved more than \$250K in MRR, and increased performance by 1.4x
- Designed and launched a microservices platform that automated compliance governance, enhancing operational efficiency for over 3.5 million monthly active users

Software Engineer II | PowerApps AI Builder

June 2020 - August 2021

- Engineered and project-managed the development of key infrastructure a text classification as a part of the PowerApps under the no-code solution called AI Builder
- Created a "bring-your-own-data" model pipeline in AI Builder, empowering users to develop advanced AI/ML capabilities with minimal coding
- Enhanced our text classification tool by integrating GPT-2, reducing dataset training times by 50% and boosting processing efficiency
- Presented keynotes on major updates and features, enhancing user engagement and adoption across the platform

Software Engineer | Customer Data Solutions

June 2018 - May 2020

- Designed & developed an address validation tool called AVS, supporting Microsoft's entire customer base and all subsequent teams within Microsoft
- Engineered/implemented an algorithm for instant address coordination and validation, enhancing data response times across cloud infrastructure, supporting over 2 million address validations daily
- Achieved a 99.99% availability rate and 99.9% reliability rate with a distributed network of virtual machines, significantly improving system performance
- Incorporated auto-rollback and failure detection to boost system reliability and security
- Coordinated partnerships with external data providers to determine license agreements and limitations, ensuring full compliance with industry standards
- Managed client relations and supervised smooth onboarding processes, including live site DRI rotations, consistently meeting or exceeding operational OKRs

Dilbr | The Balkan dating app – Seattle, WA

Founder/CEO/Principal Engineer

April 2023 - December 2024

- Founded and coded the #1 Balkan dating app in the world targeting over 100k users globally
- Engineered a full-stack iOS application in SwiftUI, incorporating server and serverless processing
- Designed an intricate matching algorithm using the Gale-Shapley algorithm, capable of handling millions of users and matching within a 90% accuracy
- Implemented core features including authentication, messaging, push notifications, and robust settings management
- Managed full product lifecycle from system management to user communication, employing CI/CD pipelines, feature flags, A/B testing, and ongoing feature development
- Directed global user communications, processing feedback to inform a dynamic product roadmap

Parametric Portfolio Associates | Investment advisory & tech – Seattle, WA

Software Engineer Intern | Systems & platform management

Summer 2017

- Investigated data migrations to MongoDB for their internal tooling management system
- Practiced MVC architectural patterns and CRUD database operations through an intensive onboarding sequence

Socedo | Marketing lead generation – Seattle, WA

Software Engineer Intern | Feature development & legacy platform modernization

Summer 2015 & 2016

- Designed a comprehensive plan to enhance our systems with robust testing frameworks and backend system management
- Led a team of developers to deploy the new infrastructure plan, achieving 100% system availability
- Streamlined deployment processes and efficiency through automation of the Azure deployment cycle
- Developed tooling for A/B testing, enabling data-driven decision-making for new feature implementations
- Implemented pixel tracking to monitor user lead click-through rates (CTRs), enhancing marketing insights and performance measurement

Amazon – Seattle, WA

Software Engineer Intern | AWS DynamoDB

Summer 2014

- Built an MVP for the Cross-Region Replication feature that replicated data across geos in real-time for Amazon's NoSQL database service, DynamoDB
- Integrated an upstream data transfer API that was under development at the time and provided core data to large-scale data pipelines
- Solved complex problems around updates across geos and implemented a "Primary/Replica" pattern to handle concurrent read/writes to a DB

Education

University of Washington, College of Arts & Sciences – Seattle, WA

Graduated 2018

Bachelor of Science, Computer Science

Product School – Seattle, WA

March 2020

Product Manager Certification