**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 and advocated for text classification features with partners, enhancing user engagement/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