Zach Gilbert

Software Engineer at Myndshft

Contact

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About

I am a software engineer, currently working on building an enterprise-scale healthcare automation platform at Myndshft. I am passionate about building robust, maintainable, and performant software. I am always looking for new challenges and things to learn.

Profiles

LinkedIn
zsgilber

Github
zsgilber

Work

June 2020 — Now

Software Engineer

- Member of the core product team developing backend services to power our healthcare automation platform, including eligibility, patient financial responsibility, and prior auth determination APIs. - Focused on writing clear and maintanable code to express core business domain logic. - Using Spring Boot web framework and very much enjoying writing code in Kotlin. - Helped design events-based service architecture to ensure availability and resiliency. - Responsible for monitoring and operations of APIs we own, including on-call responsibility.

June 2018 — June 2020

Software Engineer

- Member of the architecture team that built our core platform from from conception to a stable and robust production system serving ~1000 complex transactions per day. - Responsible for cloud infrastructure (Google Cloud Platform), ops and deployment (Kubernetes). - Implemented CI/CD using Bitbucket Pipelines.

- Introduced Infrastructure as Code to our platform using Terraform. - Designed and wrote microservices in Go.

October 2017 — March 2018

Business Systems Analyst

- Designed client solutions using the OptimumHQ's workflow-based business automation platform. - Led requirements gathering and documentation, solution architecture, and project planning for client integrations. - Led all aspects of client integration, including data modeling, workflow modeling, data requests through internal API, and front end implementation using HTML/ CSS/Javascript.

October 2016 — October 2017

Business Analyst

- Leader of analytics for hybrid transportation/customer service team responsible for proactively monitoring Amazon's large item network. - Delivered weekly metrics and Key Performance Indicators, focus on metrics resulted in ~$2 million year over year savings in Large Item concessions. - Wrote, maintained, and optimized complex SQL queries against Enterprise Data Warehouses (Oracle and Amazon Redshift). - Built dashboard to track customer service metrics for my team using internal tool based on Elasticsearch/Kibana.

September 2015 — February 2017

Tutor

- Private tutor in a wide range of scientific and mathematical subjects. - Math subjects include algebra, geometry, calculus, statistics, & probability.

January 2016 — October 2016

Reporting Analyst

- Responsible for weekly data analysis and reporting for 40 T-Mobile dealers enrolled in T-Mobile Premium Retailer program. - Developed and implemented company-wide sales reporting for hundreds of prepaid wireless dealers. - Designed Excel-based interactive dashboards to track Key Performance Indicators. - Use advanced Excel skills and knowledge of data cleaning, mining, and analysis to more intelligently guide business.

January 2014 — August 2015

Concept Coach

- Tutored students in math and sciences for online learning company. - Explained complex mathematical and scientific concepts in a clear manner through LivePerson online chat program. - Expanded strong customer service skills helping students navigate online course system.

December 2009 — August 2011

School of Life Sciences Undergraduate Research (SOLUR) Fellow

LIMB Lab (Laboratory for Integrative Motor Behavior) School of Life Sciences, Arizona State University Dr. Devin Jindrich, Principal Investigator Project: Pulsed Ultrasound for the Rehabilitation of Movement after Spinal Cord Injury

December 2008 — December 2011

Undergraduate Research Assistant

Tyler Laboratory of Neurobiology and Bioimaging School of Life Sciences, Arizona State University Dr. William Tyler, Principal Investigator Project: Ultrasonic Neuromodulation of the Mouse Central Nervous System

May 2009 — August 2009

Research Intern

SMART (Summer Medical and Research Training) Program Department of Molecular and Human Genetics Baylor College of Medicine Dr. Hugo Bellen, Principal Investigator Project: Developing a Disease Model of Amyotrophic Lateral Sclerosis in Drosophila

Skills

Software Development
Kubernetes
Kotlin
Shell Scripting
Infrastructure as code (IaC)
PostgreSQL
Google Cloud Platform (GCP)
REST API
Linux
Continuous Integration and Continuous Delivery (CI/CD)
SQL
Spring Boot
Terraform
Docker
Go (Programming Language)
Microservices

Education

Arizona State University

December 2006 — December 2011

🎓 Mathematics
Bachelor's Degree

Arizona State University

December 2006 — December 2011

🎓 Biological Sciences
Bachelor's Degree

Languages