

# Zach Gilbert

Software Engineer at Myndshft

## Contact

### Email

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### Phone

480-313-2126

## 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

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2020-06-30 —

### 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 maintainable 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.

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2018-06-30 — 2020-06-30

### 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.

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2017-10-31 – 2018-03-31

### **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.

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2016-10-31 – 2017-10-31

### **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.

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2015-09-30 – 2017-02-28

### **Tutor**

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

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2016-01-31 – 2016-10-31

### **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.

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2014-01-31 – 2015-08-31

### **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.

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2009-12-31 – 2011-08-31

### **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

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2008-12-31 – 2011-12-31

### **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

2009-05-31 – 2009-08-31

### 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

## Education

### Arizona State University

2006-12-31 – 2011-12-31

🎓 Mathematics  
Bachelor's Degree

### Arizona State University

2006-12-31 – 2011-12-31

🎓 Biological Sciences  
Bachelor's Degree

## Skills

Software Development

Kubernetes

Kotlin

Shell Scripting

Myndshft

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

## Languages

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Native Speaker