



# Michael Budnick

Software Developer



## Contact

### Address

New York NY

### E-mail

michaeldbudnick@gmail.com

### WWW

mike-budnick.com

### LinkedIn

linkedin.com/in/  
michaeldbudnick

### Github

github.com/mdbudnick



## Professional Summary

Senior Software Developer, forged in start-up environments, known for being a natural leader, championing best practices, building out elegant microservice architectures, and consistently driving improvements across projects. Highly proficient in backend development, with a strong focus on creating robust microservice infrastructures, smooth CI/CD pipelines, and ensuring application security and observability.



## Work History

2022-05 -  
2023-05

### Software Engineer II

Bubble Group, New York, NY

#### Main Skill Sets

**Typescript - Node.js - OpenTelemetry - Honeycomb - Elastic - AWS CDK - PostgreSQL - Monitoring - CI/CD**

#### Major Accomplishments

- Developed, Monitored, and Maintained all aspects of cloud infrastructure for a project with millions of DAU
- Instrumented multiple distributed services with OpenTelemetry and integrated with Honeycomb and trained engineering teams in standard methods to do the same
- Developed metrics and alerting for services using Elastic and AppOptics
- Refactored infrastructure procurement code into a sensible CI/CD pipeline with logical steps which increased productivity across all engineering
- Architected a credential and configuration manager for serving sensitive data based on the principle of least privileges
- Achieved SOC 2 compliance with 10+ year old legacy systems



## Skills

Java



SQL



Spring Boot



Node.js



TypeScript



Kubernetes



Open Telemetry



Honeycomb



2018-09 -  
2022-04

## Lead Software Engineer

Concourse Labs, New York, NY

### Main Skill Sets

**Java - Spring Boot - PostgreSQL - gRPC - Kubernetes - Jenkins - Prometheus - Docker - Cypress - Mentoring**

### Major Accomplishments

- Engineered scalable Kubernetes microservices to meet the requirements of founders' vision and Fortune 100 clients
- Coordinated communications of microservices using gRPC, messaging, and queue-based communications systems
- Created Bazel and Jenkins CI/CD pipelines to ensure projects were pushed safely and efficiently with zero-downtime and monitored cluster with Prometheus
- Developed product security policies across major cloud (AWS, Azure, GCP) and Terraform providers for users
- Responsible for all team members across the backend (Core) domains; managing, reviewing, decision-making, sprint planning, roadmapping, training and mentoring, hiring, etc.
- Implemented SOC 2 compliant systems and passed annual auditing

Python



Terraform



Docker



Elastic



AWS CDK



Github Actions



Jenkins



GRPC



Bash



Redis



Cloud Security



Denodo



Agile Methodologies



Mentoring



Training and Consulting



2016-04 -  
2018-05

## Data Engineer

Denodo Technologies, New York, NY

### Main Skill Sets

**Java - SQL - VQL - Data Modeling - Enterprise Data - Professional Consulting - Product Support & Training**

### Major Accomplishments

- Consulted Fortune 500 Companies on Data Virtualization and its best practices
- Developed, troubleshooted, and optimized data pipelines from multiple sources
- Traveled on-site to train client teams and consult on projects to expand product usage
- Created Java-based plugins to expand the functionalities of the product based on customer requirements



## Certifications

- 2022-05 • Certified Kubernetes Administrator (CKA)
- 2022-06 • Certified Kubernetes Application Developer
- 2023-08 • (CKAD) Certified Kubernetes Security Specialist
- 2023-10 • (CKS) HashiCorp Certified: Terraform Associate
- 2023-10 • (003) AWS Certified Cloud Practitioner
- 2023-11 • AWS Certified Developer Associate



## Education

- 2008-08 - 2012-05 • **Bachelor of Arts: Anthropology**  
St. John's University - Queens, NY
  - 3.7 GPA
  - Dean's List (every semester)
  - Summa cum Laude
  - Presidential Scholarship Recipient
  - Study Abroad: Paris, France
- 2012-08 - 2013-12 • **Master of Science: Biology**  
St. John's University - Queens, NY
  - 3.58 GPA
  - Summa cum Laude
  - Conducted biostatistical data analysis of gene expression research
  - Graduate Student Teaching Assistant