Michael Budnick

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SUMMARY

My journey in the tech industry across diverse backend projects within startup environments has led me to become an asset for any company seeking backend solutions, well-orchestrated DevOps processes, and projects driven through Agile methodologies. My dream job is to help create a secure and fluid cloud deployment architecture allowing for flexible solutions.

CERTIFICATIONS

CKA: Certified Kubernetes Administrator	LF-rhgr5a5rwz
CKAD: Certified Kubernetes Application Developer	LF-ht07l9qyf3
CKS: Certified Kubernetes Security Specialist	LF-tmjo4qoudj
AWS: Certified Developer Associate	Credly Badge
HashiCorp Certified: Terraform Associate	Credly Badge

EDUCATION

App Academy	New York, NY	
Coding Bootcamp	<5% acceptance rate	
St. John's University	New York, NY	
Master of Science	**Biology**	**December 2013**
	Graduate Teaching Assistant	Biostatistics Thesis
Bachelor of Arts	**Anthropology**	**May 2012**
Dean's List	Summa Cum Laude	

PROFESSIONAL EXPERIENCE

GetSetUp   New York, NY   Feb 2024 – Current
Senior Software Engineer

- Developed full-stack web applications using **TypeScript**, **Node.js**, and **AWS CDK**, deploying backend services to **AWS** with container orchestration support
- Led end-to-end feature development based on specs from product and design, contributing across frontend and backend systems
- Created **React.js**-based internal **CMS** tools for managing company partnerships and workflows
- Designed and built **microservice**-based **AI chatbot** functionality with lobby support and user session management
- Implemented custom **observability** with **Grafana** and **Prometheus** to monitor service health, latency, and resource utilization across environments
- Integrated **Algolia** to deliver fast, scalable search experiences in user-facing components
- Implemented asynchronous event workflows using **AWS Lambda**, **DynamoDB**, and **PostgreSQL**
- Upgraded **infrastructure** and **CI/CD** pipelines, maintaining high availability during

transitions

Bubble New York, NY May 2022 – May 2023
Senior Software Engineer - Platform Team
- Instrumented distributed **Node.js** services written in **TypeScript** using **OpenTelemetry**, with observability piped into **Honeycomb** for trace analysis.
- Developed metrics and alerting for **Elasticsearch**-based logs and performance data, integrating with **AppOptics** for monitoring.
- Instituted a microservice architecture using **AWS CDK** to modularize the file upload functionality from a legacy monolith.
- Refactored infrastructure provisioning logic into a structured **CI/CD pipeline** using AWS CDK for repeatable, auditable deployments.
- Designed and implemented a credential and configuration manager backed by **PostgreSQL** to securely store and manage sensitive service data.

Concourse Labs New York, NY May 2018 – May 2022
Lead Engineer - Core Team - Founding Engineer
- Founding engineer of a cloud **cybersecurity** startup in the policy-as-code space, building backend services with **Java** and **Spring Boot**.
- Delivered scalable microservices orchestrated with **Kubernetes** and deployed via **Docker** with **Bazel**, aligned with the founders' long-term vision.
- Led a Core backend team of up to 8 engineers, using **PostgreSQL** and **gRPC** to support high-throughput, secure service communication.
- Directed subcontractors in developing **Cypress**-based end-to-end tests and integrating test results into **Jenkins** pipelines.
- Authored security policies for major cloud providers, embedding them into **Terraform** configurations to enforce compliance at scale.
- Implemented a **SOC2-compliant architecture** monitored with **Prometheus**, enabling successful annual audit outcomes.

Denodo Technologies New York, NY April 2016 – May 2018
Data Engineer - Professional Solutions
- Professional consultant delivering **Data Virtualization** solutions to Fortune 500 companies, with a focus on enterprise data architecture and modeling.
- Used **SQL** and **VQL** extensively to troubleshoot, optimize, and maintain high-performance **data pipelines** across diverse data sources.
- Provided expert-level support by debugging platform issues and guiding customers through solutions in a professional, **client-facing** capacity.
- Developed custom **Java** plugin components to extend the capabilities of the **Denodo** Platform.
- Led **training** sessions and offered strategic **consulting** on data modeling best practices and Denodo platform usage.