Jonathan Bethune
Senior Technology Leader

LinkedIn URL • jab@bethuneconsulting.com
Dallas, US 75093 • (972) 213-2715
https://bethuneconsulting.com

Technically-astute and seasoned professional with extensive experience delivering effective digital solutions, steering large-scale technology projects from inception to completion, and achieving profitable business outcomes across various industries. Strategic leader with proven success in creating and executing DevOps, cloud, and software engineering practices while leading cross-functional teams. Instrumental in implementing numerous developments, testing, automation tools, and IT infrastructure. Experienced in cloud architecture, automation, configuration management, and deployment tools such as AWS, Azure, and GCP. Skilled in infrastructure as code (IaC) and continuous integration/continuous deployment (CICD) pipelines. Excel at developing, testing, and supporting processes within software development life cycle. Eloquent communicator with exceptional analytical and decision-making skills.

Areas of Expertise

- DevOps Management
- IT System Architecture
- Infrastructure Management
- Project Management
- Team Building & Leadership
- Quality Assurance & Control
- Data Engineering
- Artificial Intelligence
- Training and Education

Professional Experience

Arizona State University, Plano, TX   2021 to 2023

Engineering Manager

Delivered services as head of engineering team for Pocket initiative, an innovative blockchain solution for verifiable credentials in education. Ensured secure and scalable system by designing AWS cloud infrastructure and implementing utilizing Terraform. Leveraged strong leadership and recruiting skills to assist in establishing team by sourcing engineering talent via personal networks and firms like TopTal.

Key Contributions:

- Managed production releases and executed QA in test environments for major university's digital credentials project.
- Developed a strong and diverse team with a broad range of expertise by sourcing, interviewing, and hiring technical talent across several domains.
- Ensured timely delivery and high-quality output while functioning as day-to-day workstream manager and managing production releases personally for end users.

Toyota, Tokyo   2019 to 2021

Senior Manager

Provided services as a senior manager in charge of formulating an internal training department known as 'Dojo' while identifying and onboarding diverse and skilled group of individuals with right expertise for project. Enabled development of internal education platform by selecting appropriate technology vendors.

Key Contributions:

- Sourced and led a 20+ person team of engineers and educators to establish a profitable education startup within Toyota's internal software education division.
- Demonstrated strong project management skills by running scrum meetings while serving as both overall project manager and product owner to ensure hearing voice of customers.
- Showcased exceptional leadership and budget management skills by managing a $5M budget to source talent, establish team, choose technology vendors, and develop internal education platform for Toyota's software division.

Jonathan Bethune

TopTal, Remote **2018 to Present**

Cloud Engineering Consultant

Provide software design and cloud architecture services to a range of client systems. Serve organizations under a variety of roles including tech lead, DevOps engineer, engineering manager, security auditor, product owner, and scrum master. Facilitate organizations in establishing and optimizing cloud environments in GCP, AWS, and Azure utilizing an IaC paradigm with Terraform and frequently implemented container orchestration with Kubernetes.

Key Contributions:

- Delivered guidance/mentorship to team members while serving as engineering manager or tech lead when needed.
- Reduced manual errors and enhanced overall efficiency by developing CICD pipelines and code workflows with automated testing, improving development speed and reliability.
- Spearheaded numerous projects from inception to successful completion within stringent time and budgetary constraints while executing over a dozen client engagements for big and small companies.

CloudPassage, San Francisco, CA **2015 to 2017**

DevOps Lead

Utilized Docker and Python to provide containerized backend services. Applied strategic approaches to establish an automated container orchestration paradigm using Mesos Marathon. Combined Rackspace, AWS, and Softlayer by writing chef infrastructure code for a multi-cloud system.

Key Contributions:

- Developed expertise in automation by writing a significant amount of Chef code utilizing Ruby to automate infrastructure changes and streamline production releases.
- Functioned as Site-Reliability Engineer (SRE) while responding to production alerts, building application monitoring systems, and creating runbooks/documentation to improve team training.

Knewton, New York City, NY **2010 to 2014**

Software Engineer

Interacted with AWS APIs and services by directing end-to-end functions linked with formulating AWS deployment tools using Boto library and Python. Ensured quality and reliability of deployed applications by acting as QA engineer and manually executed production environment deployments for all Java services.

Key Contributions:

- Enabled development of overall system architecture and functionality by writing backend microservices in Java.
- Maintained system uptime and reliability activities by serving as SRE on call for tier 2 technical support via PagerDuty.

Education

Bachelor of Science, Majored in English and Minored in Music
New York University, New York City

Master of Science Degree in Information Technology
University of Phoenix, New York City

Language Proficiencies

English | Japanese