Nicholas Brink
Software Architect | Technical Lead | Kubernetes | Cloud | C# | Microservices | CI/CD
Greater Phoenix Area
✉ nbrink7@gmail.com | 🔗 LinkedIn

Summary

Experienced Software Architect with expertise in Kubernetes, cloud technologies, healthcare data integration, and enterprise data platforms. Over five years of leadership in architecting scalable, secure, and efficient developer platforms and interoperable healthcare systems. Expertise in C#, Azure (Functions, Storage, Service Bus, Data Factory), AWS, and microservices. Passionate about DevOps, automation, and cloud-native best practices to enhance developer productivity and operational efficiency.

Technical Skills

Programming: C#, Go, Python, Node.js, TypeScript
Cloud & DevOps: Azure Functions, Storage, Data Factory, Kubernetes, Helm, API Gateways, Service Mesh, CI/CD, Jenkins, Azure DevOps
Infrastructure & Observability: Prometheus, OpenTelemetry, Splunk, App Insights, Terraform, Dynatrace
Data & Streaming: Kafka, CosmosDB, SQL Server, Azure Service Bus, Redis
Security & Compliance: OAuth2, HIPAA compliance, API security best practices

---

Professional Experience

Blue Cross Blue Shield of Arizona

Technical Lead | April 2020 – Present | Phoenix, AZ

- Led and mentored a development team, driving best practices in Kubernetes and cloud technologies.
- Designed a developer platform to streamline SDLC and microservices deployment on Azure & Kubernetes.
- Developed scalable backend services in C# with Azure Functions and Data Factory for ETL workflows.
- Designed Kubernetes deployment abstractions using Helm and Go-based Operators.
- Implemented Kafka for real-time data streaming and batch processing.
- Enhanced observability using OpenTelemetry and Prometheus.
- Optimized API caching with Redis.
- Automated infrastructure provisioning using Terraform and CI/CD pipelines.
- Implemented Kong API Gateway using Kubernetes-native resources for easy configuration.
- Led integration efforts for new third-party technologies.
- Designed enterprise data architectures, ensuring seamless clinical and non-clinical system integration.
- Mentored teams on API management, data pipelines, and cloud-based strategies.
- Created initial POCs during data engineering tool selection including Azure Data Factory and Databricks.

- Provided services to internal and external facing customers using APIs to provide seamless integrations. This information was used to provide services directly to members, employers, providers, call agents, and more with web based experiences.
- Lead engineer on
- Initiated the acquisition of Confluence to improve development documentation by unifying into one platform.
- Utilized AWS services for third party applications.

Apex Systems

Software Engineer (Consultant) | Sept 2019 – April 2020 | Austin, TX

- Developed a cloud-native integration and API platform for a major health insurer.
- Built scalable, secure greenfield solutions in an agile environment.

NICE Ltd. / Mattersight

Senior Software Developer | Sept 2018 – Sept 2019 | Austin, TX

- Developed and optimized Predictive and Behavioral Routing solutions using .NET and Pyspark.
- Led OAuth2 authorization service development in Node.js/TypeScript.
- Contributed to the company's first cloud adoption in AWS including Kubernetes, Hashicorp Vault, and Helm.

Software Engineer – Behavioral Analytics | May 2017 – Sept 2018 | Austin, TX

- Maintained and improved customer analytics applications for behavioral insights in call centers.

Seton Hill University

Programmer/Analyst | July 2015 – May 2017 | Greensburg, PA

- Developed database and web integrations using Jenzabar SIS and SQL Server.
- Led the planning and development of a university-wide intranet portal hosted in AWS EC2.

Education

B.S. in Computer Science | Seton Hill University (2012 – 2015)

Certifications

- **CKAD:** Certified Kubernetes Application Developer
- **LFD459:** Kubernetes for Application Developers