

Samuel Neto

Senior Senior Software Engineer

SUMMARY

Engineer with over 8 years of experience specializing in digital health and fintech platforms, with a robust track record in scaling microservices architecture and AI-driven solutions. Expertise in cloud-native infrastructure and full-stack development, leveraging technologies such as React.js, Java, Go, Python, and AWS. Significant achievements include enhancing PCI-DSS controls for payments processing, improving latency and system resiliency, leading large-scale global deployments, and ensuring compliance with various security standards. Holds a Bachelor's degree in Computer Science from Florida Institute of Technology and is adept at modern engineering practices and delivering business-oriented results in cross-functional settings.

TECHNICAL SKILLS

Main Technical Skills	Java, Go, Python, Node.js, React
Programming Languages	Go, Java, JavaScript (7 yr.), Kotlin, Python, Swift
AI & Machine Learning	AWS SageMaker, AWS SageMaker (Amazon SageMaker), Mlflow, OpenAI
.NET Platform	Azure
Java Frameworks	Dropwizard
Android Libraries and Tools	Kotlin
JavaScript Libraries and Tools	NgRx, React Native, Redux-Saga, Rxjs
JavaScript Frameworks	Node.js, React
Ruby Frameworks	Ruby on Rails
Data Analysis and Visualization Technologies	Apache Airflow, Presto S3
Databases & Management Systems / ORM	AWS DynamoDB, ELK stack (Elasticsearch, Logstash, Kibana), MySQL, PostgreSQL, Redis, Snowflake
Cloud Platforms, Services & Computing	Azure

Amazon Web Services	AWS Aurora, AWS CloudFront, AWS DynamoDB, AWS Kinesis, AWS Lambda, AWS SageMaker, AWS SageMaker (Amazon SageMaker), AWS SAM
Google Cloud Platform	Google BigQuery
Industry Domain Experience	HIPAA
Deployment, CI/CD & Administration	ArgoCD, CI/CD, Jenkins, New Relic
QA, Test Automation, Security	Cypress, Jest, JUnit, QA Automation, RSpec
Logging and Monitoring	Datadog, Prometheus
Version Control	Github Actions
SDK / API and Integrations	GraphQL, OAuth
Other Technical Skills	EKS/ECS, PCI DSS, RDS, SOC 2, Spinnaker

WORK EXPERIENCE

- Company : Paypal**, Senior Software Engineer, High-Volume Payments and Merchant Experience Platform **Duration:** 10/2024 - Present

Summary: Led the technical direction for Paypal's high-volume payments and merchant experience platform, focusing on microservices architecture, front-end performance optimization, event-driven pipelines, global AWS/ Kubernetes deployment, CI/CD automation, security hardening, observability enhancements, data layer optimization, API and integration improvements, and quality assurance.

Responsibilities: Architecting microservices, improving merchant dashboard, building event-driven pipelines, executing resilient AWS EKS-based deployment, establishing CI/CD practices, enhancing security, implementing observability measures, optimizing the data layer, delivering Node.js GraphQL gateway, leading automated quality practices.

Technologies: React, TypeScript, Java, Go, Javascript, Node.js, Python, AWS, Kubernetes, Kafka, SQS, MySQL, DynamoDB, Redis, GitHub Actions, Jenkins, Argo CD, OAuth2, OIDC, Prometheus, Grafana, JUnit, PyTest, Jest, Playwright
- Company :** Lyra Health, Senior Software Engineer, Care Delivery and Provider-Matching Features **Duration:** 10/2023 - 10/2024

Summary: Spearheaded the backend and frontend development of high-availability care delivery and provider-matching features, driving improvements in scalability, resilience, and HIPAA-compliant security through advanced engineering practices on AWS.

Responsibilities: Designing domain-driven microservices, frontend SPA development, establishing event-driven integrations, implementing CI/CD with GitHub Actions and Argo CD, provisioning of cloud infrastructure, database optimization, strengthening observability and security, API and



integration strategizing, and leading third-party system integrations.

Technologies: React, TypeScript, Python, Java, Spring Boot, AWS, EKS, Kafka, SNS/SQS, RDS, Aurora, DynamoDB, Redis, Terraform, OAuth2, OIDC, Datadog, OpenTelemetry, Pact, Airflow

- **Company** : Included Health, Senior Full Stack Developer, Patient and Provider Experience Solutions **Duration:** 09/2020 - 10/2023

Summary: Contributed to the development and deployment of patient and provider experience solutions, ensuring end-to-end delivery of HIPAA-compliant platforms, enhanced by modern engineering practices on AWS.

Responsibilities: Microservices architecture design, frontend platform building with SSR/ISR, developing event-driven pipelines, AWS EKS deployment optimization, CI/CD pipeline enhancement, reinforcing security and compliance, boosting observability, data layer optimizations, performing external integrations, and instituting strict quality gates.

Technologies: React, Next.js, TypeScript, Go, Ruby on Rails, AWS, Kafka, SNS/SQS, EKS, Aurora, PostgreSQL, Redis, GitHub Actions, Argo CD, Datadog, Prometheus, Grafana, Jest, Playwright

- **Company** : Afterpay, Software Engineer, Buy-Now-Pay-Later Checkout and Merchant Tooling, Duration: 09/2017 - 07/2020

Summary: Focused on building scalable, secure checkout and tooling for merchants in the buy-now-pay-later market, accelerating delivery and improving the resiliency of payment and risk management workflows on AWS.

Responsibilities: Architecting domain-driven microservices, leading event-driven processing for order lifecycles, deploying Kubernetes and Terraform on AWS, implementing CI/CD with Jenkins and Spinnaker, enforcing robust security measures for PCI DSS, frontend application development with Angular, managing merchant integrations, standardizing observability, and optimizing data tier.

Technologies: Angular, TypeScript, Java, Kotlin, Python, Node.js, AWS, Kafka, Kubernetes, Terraform, PostgreSQL, Redis, Jenkins, Spinnaker, OAuth2, OIDC, Prometheus, Grafana, JUnit, PyTest, Jest

EDUCATION

- Bachelor of Computer Science
Florida Institute of Technology, Melbourne, FL
09/2013 - 07/2017

