MICHAEL NORDENG MEYER

Senior Software Engineer | Python, Go, Java, Spring Boot, AWS, AI

Austin, TX | +1 (845) 977-5797 | michaelnordengmeyer@outlook.com | linkedin.com/in/mm-dev | michael.code-pilot.online

PROFESSIONAL SUMMARY

Senior Software Engineer with 9 years of experience building full-stack, cloud-native and AI-powered products across digital media, healthcare and payments. Core stack spans Python, Go, Java and Spring Boot on the backend, React and TypeScript on the frontend, and Amazon Web Services (AWS), Kubernetes and Terraform for cloud and DevOps. Delivered a Retrieval-Augmented Generation (RAG) search service over 2 million articles with p95 latency under 1.2 seconds, and Go event microservices handling 15,000 events per second. Led the migration of 12 services to Amazon EKS, cutting infrastructure cost by 22% while moving teams from weekly to daily releases. Strengths include system design, CI/CD automation, observability and mentoring engineers through code review.

TECHNICAL SKILLS

Languages: Python, Go, Java, TypeScript, JavaScript, SQL

Backend: Spring Boot, Spring Security, Hibernate, FastAPI, gRPC, REST APIs, GraphQL, Microservices

Frontend: React, Next.js, Redux

AI/ML: Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), LangChain, Amazon Bedrock, OpenAI API, pgvector

Databases & Messaging: PostgreSQL, MySQL, Redis, Amazon DynamoDB, Apache Kafka, RabbitMQ, Elasticsearch

Cloud & DevOps: Amazon Web Services (AWS), Amazon EKS, AWS Lambda, Amazon S3, Amazon RDS, Amazon SQS, Docker, Kubernetes, Terraform, Helm, GitHub Actions, Jenkins

Testing & Observability: JUnit, Mockito, pytest, Jest, Cypress, Prometheus, Grafana, Datadog

Practices: CI/CD, System Design, Agile/Scrum, Code Review

PROFESSIONAL EXPERIENCE

Senior Software Engineer Apr 2023 – Nov 2026

People Inc — New York, NY (Remote)

- Architected a Retrieval-Augmented Generation (RAG) content search service in Python and FastAPI using LangChain, Amazon Bedrock and pgvector on PostgreSQL, answering editorial queries across 2 million articles with p95 latency under 1.2 seconds.
- Built Large Language Models (LLMs) powered summarization and tagging features with the OpenAI API behind a React, Next.js and TypeScript editorial interface, cutting manual tagging time by 40% for 300 editors.
- Developed Go microservices communicating over gRPC and Apache Kafka to process 15,000 content and audience events per second, using Amazon DynamoDB for storage and Redis caching to reduce read latency by 60%.
- Led the migration of 12 services to Kubernetes on Amazon EKS within Amazon Web Services (AWS), provisioning infrastructure with Terraform and Helm charts and lowering monthly infrastructure cost by 22%.
- Automated CI/CD pipelines with GitHub Actions and Docker, adding pytest, Jest and Cypress test gates that moved 5 teams from weekly to daily releases while reducing failed deployments by 30%.
- Designed a serverless media processing pipeline with AWS Lambda, Amazon S3 and Amazon SQS, exposed through a GraphQL gateway, handling 500,000 image and document jobs per day without manual intervention.
- Implemented observability with Datadog, Prometheus and Grafana dashboards and alerts across 20 services, reducing mean time to recovery by 35% and sustaining 99.95% uptime for reader-facing APIs.
- Mentored 4 engineers through code review and system design sessions, partnering with product and design to scope AI features and deliver 3 major platform releases on schedule.

Senior Software Engineer Sep 2021 – Apr 2023

UPMC Enterprises — Pittsburgh, PA (Onsite)

- Built Java and Spring Boot REST APIs for a clinical data platform using Hibernate and PostgreSQL on Amazon RDS, serving 1,200 requests per second at peak with p99 latency under 250 milliseconds.
- Implemented role-based access control and token authentication with Spring Security across 8 microservices, passing 2 internal security audits with no critical findings on protected patient data.
- Developed a React and Redux clinician dashboard backed by Elasticsearch, enabling search over 40 million patient records and reducing average chart lookup time from 9 seconds to under 2 seconds.
- Designed an Apache Kafka ingestion pipeline that streamed 6 million clinical messages per day from hospital systems into downstream services, replacing nightly batch jobs and cutting data delay by 90%.
- Raised unit and integration test coverage from 55% to 85% with JUnit and Mockito, wiring test stages into Jenkins pipelines that shortened build feedback from 25 minutes to 11 minutes.
- Collaborated in an Agile/Scrum team of 9 with product managers and clinicians, leading design reviews and reviewing roughly 15 pull requests per week to keep a two-week release cadence.

Intermediate Software Engineer Aug 2017 – Sep 2021

Vincent Payment Solutions — Austin, TX (Onsite)

- Built payment authorization and settlement REST APIs in Java and Spring Boot on MySQL, processing 250,000 card transactions per day with 99.9% availability during peak merchant hours.
- Optimized slow SQL queries and indexes on MySQL reporting tables holding 80 million rows, reducing merchant statement generation time by 65% and removing recurring nightly job timeouts.
- Introduced RabbitMQ queues to decouple transaction notifications and retries from the core payment flow, cutting failed webhook deliveries by 45% across 3,000 merchant integrations.
- Developed a JavaScript and React merchant portal for refunds, disputes and reporting, replacing manual support requests and lowering related support tickets by 30% within 6 months.
- Containerized 7 services with Docker and built Jenkins pipelines with JUnit test stages and Python deployment scripts, reducing release time from 3 hours to 25 minutes.

EDUCATION

Bachelor of Science (BS) in Computer Science Aug 2012 – May 2016

The University of Texas at Austin — Austin, TX