# Rodrigo Moran

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*Senior Software Engineer* with 8+ years of experience in backend systems specializing in Java, Go, and Python. Highly adaptable with a proven ability to move between teams and technologies. Experienced in designing resilient systems, developing serverless functions, automating CI/CD pipelines, API design, managing clusters, and creating data pipelines.

## Work Experience

**Ippon Technologies USA**, Senior Software Engineer                                   Jun 2019 - Jul 2024

**Capital One**, *Contract · 4 mos* - Senior Software Engineer
- ➔ Led redesign of a Java service to improve the resiliency and reduce engineering overhead by 20%
- ➔ Collaborated with team and senior leadership to understand the scope and requirements
- ➔ Documented findings, outlined a solution, and prepared a low-level design document to be reviewed

**CIBT**, *Contract · 4 mos* - Senior Software Engineer
- ➔ Modernized their data platform by integrating the Snowflake data warehouse
- ➔ Developed Python scripts to extract and transform data from over 20 global databases
- ➔ Integrated Snowpipes to automate data ingestion into Snowflake from AWS S3

**The Motley Fool**, *Contract · 2 yrs* - Senior Software Engineer
- ➔ Optimized complex SQL reporting and automated data pipelines using Apache Airflow
- ➔ Built and maintained AWS Lambda functions in Python and contributed to shared libraries
- ➔ Migrated and maintained 150+ AWS Lambdas from CDK to Serverless framework
- ➔ Created CI/CD pipelines using GH actions to reduce deployment time and enforce team standards
- ➔ Managed and scaled Apache Airflow on EKS to run more than 5000 tasks per day across 350+ dags

**QOMPLX**, *Contract · 1 yr 10 mos* - Software Engineer
- ➔ Designed and implemented over 10 Java API endpoints for writing DDL and DML CQL statements
- ➔ Achieved 80%+ code coverage for unit and integration tests, conducted performance testing using Gatling
- ➔ Guided teammates with API design standards, pagination, limiting payload size, and unifying naming
- ➔ Steered the use and development of custom Kubernetes operators to self-manage deployments and manifests
- ➔ Powered an Event Driven Architecture by creating 5+ AWS Lambda functions using Python

**Capital One**, *Contract · 4 mos* - Software Engineer
- ➔ Developed an AWS Lambda function using Go to automate the removal of outdated records ensuring compliance
- ➔ Delivered a bulk deletion feature in a fraud detection application using Scala

**Perfect Sense Digital**, Software Engineer                                         Feb 2018 - May 2019
- ➔ Engineered a platform-level plugin for Calendar events according to RFC specifications
- ➔ Created a custom frontend gallery module using ES6 JS and CSS

**Ippon Technologies USA**, Software Engineer Intern                                  Jun 2017 - Aug 2017

**Gallium Technologies**, Software Developer                                          Nov 2015 - May 2017

## Projects

**IpponGPT** Slack Chatbot                                                            Jan 2024 – Apr 2024
- ➔ Shipped an LLM and Langchain-powered Slackbot to our internal Slack using the Bolt framework
- ➔ Integrated RAG layer utilizing 100s of internal documents to provide context and improve response accuracy
- ➔ Enhanced understanding and relevance by introducing prompt routing and short-term memory

**Vivify** Android Alarm Clock                                                        Jun 2016
- ➔ Built and shipped a Spotify alarm clock to 100s of users on Google Play Store, currently unlisted
- ➔ Crafted an API wrapper around Spotify's Web API using Retrofit

## Education

**Virginia Commonwealth University**                                                 Dec 2017
Bachelor of Science (B.S) in Applied Mathematics, Richmond, VA

## Skills, Technologies, and Languages
- ➔ API design, CI/CD pipelines, cloud infrastructure, data pipelines, DevOps, unit tests, data engineering, serverless, LLM
- ➔ AWS, Kubernetes, Docker, Snowflake, Cassandra, Spring Boot, Apache Airflow, PostgreSQL, Langchain
- ➔ Go, Java, Python, JavaScript, SQL, NoSQL, HTML, CSS, Scala