

# HANNAH APUAN

EMAIL: [hannah.apuan@gmail.com](mailto:hannah.apuan@gmail.com) WEBSITE: [hannahapuan.github.io](https://hannahapuan.github.io) PHONE: (812)568-8431  
LINKEDIN: [linkedin.com/in/hannahapuan](https://linkedin.com/in/hannahapuan) GITHUB: [hannahapuan](https://github.com/hannahapuan) BLUESKY: [@hammiekat.bsky.social](https://hammiekat.bsky.social)

## EMPLOYMENT

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### Twilio Sendgrid

#### **Senior Software Engineer - Denver, CO**

**Mar. 2021 - Sept. 2024**

Backend engineer planning, leading, and working on account model and billing engineering solutions with REST APIs in an AWS architecture. Experience in designing, building, migrating, and maintaining multi-product account model systems including moving on-prem microservices to an AWS architecture.

Skills: AWS (Lambda, SQS, SNS, SSM, API Gateway, Route53, CloudWatch, DynamoDB, etc), AWS Go SDK, Golang, Terraform, Chef, Buildkite, Jenkins, Docker, Splunk, Python, MySQL, REST, Kubernetes, Kafka, CloudFormation

#### **Software Engineer II - Denver, CO**

**Apr. 2019 - Mar. 2021**

Billing and compliance engineering solution with REST APIs. Experience in designing, building, and maintaining account model systems including moving on-prem microservices to an AWS architecture.

Skills: AWS (Lambda, SQS, SNS, SSM, API Gateway, Route53, CloudWatch, DynamoDB, etc), AWS Golang SDK, Terraform, Chef, Buildkite, Jenkins, Docker, Splunk, Python, Golang, MySQL, REST

#### **Software Engineer I - Denver, CO**

**Sept. 2017 - Apr. 2019**

Product owner of the signup and login flow to increase customer growth through A/B testing. Working on REST APIs and moving microservices to the cloud.

Skills: Golang, AWS (DynamoDB, SQS, S3, API Gateway, Lambda functions, AWS Golang SDK), REST Architecture, Microservice Architecture, Buildkite, Terraform, ReactJS, Redux, Docker, Jenkins, JSX, Nginx, MVC, Typescript, Optimizely

#### **Software Engineer Intern - Denver, CO**

**June 2017 - Sept. 2017**

Creating an end-to-end classification system to build datasets for artificial intelligence (AI) supervised learning models and making enhancements to developing machine learning models.

Skills: Go, Docker, ReactJS, Electron.io, NodeJS, MySQL, AJAX, jQuery, CentOS, MVC modeling, Tensorflow, Python

### Level3 Communications (now CenturyLink)

#### **Global Pricing and Marketing Database Intel Automation Intern - Denver, CO**

**Oct. 2016 - Apr. 2017**

Automating large-scale SQL and Oracle database migration for financial analysis and creating Tableau telecom finance reports.

Skills: SQL Server, OracleDB, Python, R, ODBC, Tableau, Batch Scripting

### Forsythe Security Solutions

#### **Hosting Solutions-Technical Architecture Delivery Intern - Denver, CO**

**June. 2016 - Sept. 2016**

Designing proof-of-concept high availability applications. Developing a containerized and flow-based application for a Fortune 500 insurance company.

Skills: Apache ActiveMQ, Camel, Cassandra, NiFi, Docker, Gatling.io (Scala), Git, Java, Red Hat OpenShift, and RHEL 7

## EDUCATION

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### **University of Denver, Bachelor of Science - Computer Science, 2014-2017**

• Mathematics Minor & German Language and Literature Minor

### **Signature School, International Baccalaureate (IB) Diploma, Top 5 National High School, 2010-2014**

## AWARDS

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### **Cyphercon Capture the Flag - Lifetime Badge Winner, Cyphercon, Apr. 2024**

Awarded a lifetime badge for the Cyphercon conference for being the first to solve the Cypher CTF which utilized cryptography, steganography, and cipher puzzles.

### **Magic Owl Award - Superior Execution, Twilio, Fall 2019**

Led company-wide community service initiative for 10,000 employees.

### **1st Place - Implementation of Aragon Decentralized Governance, ETHDenver, Feb. 2018**

Built a decentralized Ethereum blockchain dApp with Aragon Governance for custom project namespacing using ReactJS, Node, Web3, Truffle, and Ganache (TestRPC).