

# HANNAH APUAN

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## 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 (CenturyLink)

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

**Oct. 2016 - Apr. 2017**

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

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

### 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 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).