

# Khayyam Saleem

## Education

Sep 2015 - May 2019

**B.S. Computer Science** - Stevens Institute of Technology 🇺🇸, Hoboken, NJ

Minors: Mathematics, Literature

## Experience

Apr 2021 - Present

**Senior API Architecture Engineer**, J.P. Morgan Chase, Jersey City, NJ

- Created Developer Portal for external partners using Chase APIs
- Lead team of 7 engineers to deliver API publishing automation and observability with Datadog
- Provisioned AWS EKS 🏠 infrastructure with terraform 🏠
- Built out CI pipeline with Jenkins 🏠 and kustomize
- Deployed automated service virtualization from OpenAPI spec
- Strangled out routes from legacy developer portal using reverse-proxy route overrides
- Created cross-team documentation-as-code system and deployment pipelines using Hugo

Jan 2020 - Apr 2021

**Cloud ETL Platform Engineer**, J.P. Morgan Chase, Jersey City, NJ

- Designed and deployed a managed data pipeline solution for ETL jobs on internal k8s 🏠
- Migrated large-scale ETL jobs from legacy infrastructure to cloud pipelines
- Developed object inventory and audit API for ETL pipeline artifacts

Jun 2018 - May 2019

**Software Engineer Intern**, J.P. Morgan & Chase, Jersey City, NJ

- Developed healthcheck tool for message queue infrastructure

Dec 2018 - Present

**Curriculum Developer**, Codecademy 🏠, Manhattan, NY

- Write content for high-volume courses
  - java + spring boot, python, node.js + express, python + flask, go, c# + asp.net, devops, more
- Audit curriculum content across all courses
- Built internal ledger and review system for content changes [go, react, web-extensions]

## Personal Projects

Life Skills Software

A platform for special-needs classrooms, gamifying the assessment and development of life skills

- Deployed microservice architecture on DigitalOcean 🏠 VPS with terraform
- Deployed high-availability sites with Cloudflare 🏠
- Migrated from VPS to K8S with zero downtime
- Created CI/CD pipeline for team of 22 to develop and deploy games, videos, articles, and software quickly [Jenkins, github-actions, gitlab-ci]

gradual-typing

Implementation of gradual typing in MIT-scheme

type-inference

Implementation of Hindley-Milner type inference engine in OCaml for Type Systems course

aws-k3s-lightsail

Deploy k3s on lightsail with terraform

## Skills

*Languages*

go, java, rust, ruby, javascript, lua, python, c++, sql, racket, english, urdu, hindi

*Frameworks*

react+redux, node.js+express, python+flask, java+spring-boot, ORMs, LaTeX

*Tools*

docker, nginx, contour, envoy, k8s, hugo, vim and other linux stuff