

Khayyam Saleem

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EDUCATION

STEVENS INSTITUTE OF TECHNOLOGY | HOBOKEN, NJ

BSc. Computer Science | August 2015 - May 2019

- *Honors*: Dean's List, Presidential Scholarship. *Minors*: Mathematics, Literature
- *Notable Coursework*: Type Systems for Programming Languages, Concurrent Programming, Intro to Graph Theory

EXPERIENCE

JP MORGAN & CHASE | JERSEY CITY, NEW JERSEY

Intern → Machine Learning Platform Engineer | June 2018 - Present

- Built and deployed healthcheck API for message queue infrastructure as part of SRE team [Spring Boot, Maven, IBM MQ]
- Built SRE maturity assessment portal [Flask, SQLAlchemy, React]
- Moved documentation for ML platform from Gatsby to Hugo, built CI pipeline [Hugo, Jenkins]
- Implemented Redux on ML platform frontend, and taught effecting Redux paradigms to team members [React, Redux]

CODECADEMY | MANHATTAN, NEW YORK

Coach → Curriculum Experience Associate | August 2016 - Present

- Worked directly with learners and developed strong understanding of their pain points and areas of need
- Audited curriculum content across almost all courses offered on the platform
- Built and deployed internal ledger and review system, complete with Slack and JIRA integration [ask me more!]
 - Built RESTful API and web extension to simplify workflow for CXPs [gin, Redis, webext-redux]
 - Realized web extension was not particularly helpful and REBUILT frontend as a web app [React, Redux, Typescript]
 - Deployed dockerized application on AWS, with CI pipeline [S3, CircleCI]
- Actively participated in company events such as lightning talks, learner events, and hackathon presences

NEW MEXICO STATE UNIVERSITY | LAS CRUCES, NEW MEXICO

Research Assistant | May 2017 - Aug 2017

- Selected to conduct research at NSF REU (Research Experience for Undergraduates) site
- Built and packaged deep learning model for control chart pattern recognition, deployed on supercomputer
- Presented findings at AAAS 2018 ERN Conference for STEM

PROJECTS

LIFE SKILLS SOFTWARE | HOBOKEN, NEW JERSEY

Lead Developer → CTO | Sept 2018 - Present

An online platform for special-needs classrooms that gamifies the assessment and development of life skills [ask me more!]

- Communicated directly with potential clients about needs and desires for the platform
- Designed end-to-end microservice architecture and deployment pipelines on a single VPS [Traefik, Jenkins, Gitlab CI]
- Implemented paradigms and documented workflows for other developers on the team to follow
- Built and containerized every application and service [docker, node, React, Redux]

CLIENT CONNECT | HOBOKEN, NEW JERSEY

Lead Developer | March 2018 - May 2018

Application to help clients connect with freelancers based on location and required skillset

- Built MERN app with token-based authentication for multiple user types [Next.js, React, express, mongoose]
- Implemented chat feature with message caching [Socket.IO, Redis]

TYPE INFERENCE | HOBOKEN, NEW JERSEY

Type Theorist | March 2018 - May 2018

Implementation of Hindley-Milner type inference algorithm in OCaml for type systems course

SKILLS

Languages: go, javascript, python, java, c, c++, sql, ocaml, clojure, erlang, scala, english, urdu, hindi

Frameworks & Tools: docker, traefik, gin, react, redux, express, flask, \LaTeX , sqlalchemy, mongoose, traefik, nginx

Other: communication, empathy, puns, setting up development environments, modularizing large application requirements