

Palaash Kolhe

Software Engineer

Education

Bachelor of Software Engineering

University of Waterloo

- Data Structures and Algorithms, OS, Databases, Concurrent and Parallel Programming, Object Oriented Programming

Waterloo, ON

Sept. 2020 to April 2025

Work Experience

Repl.it – Cloud Services

Software Engineer Intern

San Francisco, CA

May 2024 to Present

- Built an end-to-end suspension feature using **React**, **TypeScript**, and **GraphQL** to pause and delete a user's **GCP** deployments, leading to an **18%** increase in customer retention.
- Engineered the rollbacks project using **React**, **TypeScript**, and **Go** to restore a user's previous **GCP** deployments and secrets, serving over **3,000** customers.

Adentro

Software Engineer Intern

Remote

Jan. 2024 to April 2024

- Used **Go** and **Python** to build backend logic, parsing **1B+** data points for analytics and warehousing.
- Facilitated **MongoDB** driver migration using **Go** and **NoSQL**, upgrading **80+** files to use the latest driver.

Terrace Inc.

Software Engineer Intern

New York City, NY

May 2023 to Aug. 2023

- Upgraded asset price retrieval system using **Go**, **Redis**, and **SQL**, enhancing efficiency by **30%**.
- Utilized **TypeScript**, **GraphQL**, and **Retool** to create token listing process with CoinGecko's API realizing a **12x** acceleration improvement in asset additions.
- Built an **A-star search algorithm** in **Go** to find the shortest paths in markets, speeding up search by **23%**.

Zynga Inc. – Payments

Software Engineer Intern

Toronto, ON

Sept. 2022 to Dec. 2022

- Utilized **Java Spring** and **SQL** queries to create a **microservice** that fetches and processes payment processor gateway data, serving **7+ teams** across the organization.
- Automated payment processor integration using **Spring** and **AWS S3**, boosting release efficiency by **10%**.
- Implemented solution to process **AWS SQS** dead letter items using **Spring**, saving **120+** support hours.
- Set up **Datadog monitoring** and alerts in **Java Spring** services to track endpoint and database queries.

Projects

No Place For Hate (**HackED Prize Winner**) – JavaScript, Python

Sept. 2023 to Present

- Built a chrome extension using **JavaScript**, **Python**, and **AI** to detect and block online hate speech, misinformation, and harmful content, winning a **\$1500 prize** from **AltaML**.

CloudMesh (**Capstone Project**) – C++, Python

Sept. 2023 to Present

- Working in a 5-person team to create a **peer-to-peer cloud** app that performs **distributed ML training**.
- Created distributed computing workflows using **C++**, including peer discovery and network entrance.

Meal Drop – JavaScript, React, Express, Node

Jan. 2023 to April 2023

- Engineered a **full-stack app** to create a surplus pickup scheduling platform, reducing food waste and aiding underserved communities by bridging the gap between excess and need.
- Led front-end development using **React.js** to craft home and post creation pages for an enhanced **UX**.

Skills

Languages: Go, TypeScript, Java, JavaScript, C, C++, Python, SQL, HTML, CSS

Technologies: React, Spring, Docker, GraphQL, MySQL, Node, Mongo, Express, Terraform

Platforms: AWS, GCP, Git, Datadog, Splunk, Jenkins