

Palaash Kolhe

Software Engineer

linkedin.com/in/palaash
pkolhe@uwaterloo.ca
github.com/PalaashKolhe
palaashkolhe.me

Skills

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

Technologies: Spring, Docker, GraphQL, Node.js, MongoDB, React.js, Express.js, Terraform, OpenCV

Platforms: AWS (Redshift, S3, SQS), GCP, Git, Datadog, Splunk, Jenkins

Education

Bachelor of Software Engineering

University of Waterloo

Waterloo, ON

2020 to 2025

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

Work Experience

Software Engineer Intern

Terrace Inc.

New York City, NY

May 2023 to August 2023

- Crafted Go-based asset price retriever by capturing price snapshots from an API into a SQL table while also implementing a Redis caching mechanism, achieving a 30% reduction in processing time.
- Developed token listing process using TypeScript and GraphQL, leveraging CoinGecko's API for token information retrieval, resulting in a 12x acceleration in asset addition speeds to the platform.
- Built A-star search algorithm in Go to discover optimal trading paths across markets, boosting response times by 23%.

Software Engineer Intern, Payments

Zynga Inc.

Toronto, ON

September 2022 to December 2022

- Conceived process of automatically requeueing dead letter queue items through a scheduled job in Spring Boot, saving 120+ developer hours in support calls and maintenance jobs.
- Implemented observability measures in Java to track duration and status of database queries and endpoint pings to publish monitoring information to Datadog and Splunk, reducing excess logging costs by 4%.
- Optimized data containers by dynamically updating them through scheduled tasks, fetching data from an AWS S3 bucket to eliminate manual type additions, decreasing release overhead by 10%.
- Automated release branch cuts by creating Jenkins pipelines, preventing human error, and saving 100+ developer hours per year.

Software Engineer Intern

Ford Motor Company

Dearborn, MI

January 2022 to April 2022

- Developed asynchronous RESTful microservices using Spring Boot to publish critical alarm events to 15+ teams, utilizing the GCP Pub/Sub message broker.
- Architected end-to-end Pub/Sub infrastructure with a Spring and Terraform-based subscriber service, achieving 0% message loss and seamless storage of vehicle telemetry data in a SQL-based Datastore DB.
- Engineered Java-based automated testing suite for continuous integration, boosting test coverage by 25%.
- Leveraged Docker to create microservice images and executed container-based deployments to GCP Cloud Run.

Software Engineer Intern

Utradea

Toronto, ON

May 2021 to September 2021

- Utilized winkJS and Node.js to conduct sentiment analysis on 10,000+ daily social media posts, quantifying community sentiment towards stocks.
- Led and built full-stack portfolio balancing tool using the MERN stack and linear algebra computation libraries to allow the user to realign the weightings of their assets, increasing user traffic by 13%.
- Developed 30+ RESTful API endpoints using Axios to process server logic, fetch data, and update MongoDB.
- Engineered Node.js server-side logic to integrate the app with multiple external APIs, including Facebook's Graph API.

Projects

Meal Drop

January 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, crafting home, authentication, and post creation pages, for an enhanced user experience.