

ADITYA KISHAN ANKARABOYANA

📧 lkjsu | 🌐 adityakishan | ✉ kish_aka@icloud.com | 🌐 kishanaditya.com | 📞 7169060823

Software Engineer with 5 years of experience in the field of systems research and backend development. Committed to driving excellence in software engineering and contributing to the success of impactful projects. Experienced in working with diverse teams and collaborating across departments to meet project objectives and deadlines.

SKILLS

- Programming Languages: Python, Java, C++, Javascript, Ruby, HTML, CSS
- Libraries/Platforms/Tools: Django, Flask, Express, Vue.js, React, Jenkins
- Data/Databases: SQL, MySQL, PostgreSQL, MongoDB, Redis, server-side, data-storage
- Cloud/Technologies: Amazon Web Services (AWS), Git, ORM, REST APIs, Web Technologies

PROFESSIONAL EXPERIENCE

HeadSpin Inc.

Software Engineer • Feb 2019 to Apr 2023 • Palo Alto and Sunnyvale, CA

Technologies Used - Python, MySQL, Android apk, xapk

- Designed and implemented an inventory service to assign devices to customer workloads, which improved system efficiency and reduced network footprint by 66% compared to the previous service.
- Led a project with cross-team collaboration to enable platform support for XAPK distribution empowering developers to submit applications up to 6 times larger than the Play Store size limit, providing flexibility for more complex and feature-rich applications.
- Spearheaded a research project to implement new techniques for parsing trace files for iOS 13 and above, which were not supported by the previous approach.
- Improved profiler reliability by 30% by integrating a platform tool to launch iOS apps on customer workloads over Xcode's native tooling.

NimbleDroid Inc.

Software Engineer, Internship • Jun 2018 to Aug 2018 • New York, NY

Technologies Used- Ruby on Rails, MySQL

- Researched feasibility and developed POC for network traffic monitoring service for iOS apps on the platform which enhanced capabilities for the iOS device cloud.
- Utilized open source tools to extract and analyze app performance metrics like memory usage, network activity, disk I/O, call stack, etc.
- Developed sample Android applications and wrote espresso tests to monitor APK performance on the NimbleDroid platform for features like network traffic and function call capture.
- Amplified logging capabilities to identify bottlenecks in the iOS profiler which ultimately led to improvement in the profiler performance.

PROJECTS

chatApp

Technologies Used - Python

- Created a command-line chat application using socket programming.
- Used multithreading to enable multiple users to connect and share messages on the same network.
- Dockerized service to enable sandboxed testing and making the application platform agnostic.
- Created a client application that can end an interaction gracefully.

Autograder

Technologies Used - Ruby on Rails, MySQL

- Developed a grading feature to allow more flexibility for the instructor in choosing the final grade across multiple submissions for an assignment.
- Introduced a new schema to add required fields to the table hosting the student grades.
- Developed a UI change to enable course admins to opt-in and out of the feature allowing more flexibility.

EDUCATION

University at Buffalo, State University of New York • Buffalo NY
Bachelors of Science in Computer Science

2014 - 2018