

EXPERIENCE

- **Elder** London, UK
April 2020 - Present
 - Built a internal task management system which is now used company wide for multiple operational processes.
 - Built the self-signup functionality that allows customers to start their accounts without any manual intervention.
 - Defined the testing strategy for client applications to get most value out of the automated testing suite.
 - Responsible for mentoring the junior engineers in the frontend team through regular pairing sessions.
 - **Tech Stack: React, Redux, Flow, Java, Kotlin**
- **PwC** London, UK
Oct 2019 - March 2020
 - Built a search microservice with **ElasticSearch** using Falcon (**Python** framework).
 - Worked on setting up the project infrastructure as code using **Terraform**.
 - Lead and maintained the deployment of various microservices on GCP using **Kubernertes** engine.
 - Added token-based authorisation to microservices using **Keycloak** as the authorisation provider.
 - Worked on building a **Python** framework that drastically reduced the time to setup new microservices.
 - Maintained the frontend code of the application written in **React** by a third-party agency.
- **Picnic** Amsterdam, NL
Oct 2018 - Aug 2019
 - Built the cross-platform app in **React Native** used by the entire delivery fleet for making deliveries to customers.
 - Created a web dashboard in **React** with a overview of all deliveries and real-time location of delivery personnel.
 - Built a tool to automatically generate *decoders* from **TypeScript** interfaces to provide run-time type safety.
 - Worked on the deployment strategy for the web application using **Kubernetes** on AWS.
 - Mentored an intern from a coding bootcamp and groomed him into a professional developer.
- **Microsoft** Bangalore, IN
July 2018 - Sept 2018
 - Part of the team working on migrating Microsoft Teams to **React** from AngularJS.
 - Built a side-by-side search result comparison tool for Microsoft Teams in **AngularJS**.
 - Added analytics that allowed the team to measure the performance of the new search API.
- **Zomato** Gurgaon, IN
Oct 2016 - June 2018
 - Built a prototype for a web-based version of the POS system using **React** for smaller businesses.
 - Worked on the web dashboard built with **Laravel** and **jQuery** for restaurant owners to manage their outlets.
 - Built the page templates using **Blade** templating engine with **HTML5** and **CSS3**.
 - Built a **MongoDB** based logging system for monitoring user's journey and actions on the dashboard.
 - Added caching layer to the user permission module using **Redis** to reduce page load time by more than half.
 - Integrated the Zomato consumer app with the POS system that allows users to order from their own phone.
 - Built the APIs to create/update order from the app and push the data to POS system using **PubNub**.
 - Created **webhooks** to provide order status updates to app and push changes from POS system to the app.
- **Google Summer of Code 2016 and 2017** Remote
Summer 2016, 2017
 - Built the CLTK webapp in **React** - a modern reading environment to study classical languages.
 - Created a REST API for CRUD operations using **Python** and **Flask**
 - Updated the webapp to provide definitions, translations and commentary along with the text.
 - Mentored the project to build an annotations module for CLTK webapp.

PROJECTS

- **Music Hub**: Android app that connects multiple devices via WIFI and plays music in all connected devices simultaneously to create a loud stereo-like sound effect.
- **Music Timer**: Android app that monitors phones movement to detect whether the user is asleep and pause music playback accordingly.

OPEN SOURCE CONTRIBUTIONS

- **CLTK**: Active member, worked on the CLTK Web app and CLTK API.
- **FOSSASIA**: Past contributor, worked on the Open Event project (both Server and Android app).
- **phpBB**: Past contributor, implemented a live search feature and fixed bugs.

PROGRAMMING SKILLS

- **Languages**: Javascript, TypeScript/Flow, Python, Java/Kotlin, C/C++, PHP, SQL, HTML, CSS
- **Tools and Frameworks**: React, React Native, jQuery, Flask, Git, Android, Laravel, MySQL, Kubernetes, Terraform

AWARDS AND ACHIEVEMENTS

- **Hack @ NSIT 2016**: 1st Prize, developed an app to collect authenticated survey data using Iris Scanner.
- **Androidathon 2014**: 2nd Prize, developed an app to connect servicemen to households.

EDUCATION

- **Netaji Subhas Institute of Technology** New Delhi, India
Bachelor of Engineering in Information Technology *Aug. 2012 – May. 2016*

TALKS AND CONFERENCES

- **FOSSASIA Summit 2017**: Introduction to the Classical Language Toolkit and Archive Singapore
- **LinuxChix India Meetup**: How SSH Works? New Delhi
- **PyDelhi**: Dabbling with Decorators New Delhi