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## EXPERIENCE

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- Elder** London, UK  
*Senior Software Engineer* *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  
*Software Engineer (Contractor)* *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  
*Software Engineer* *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  
*Software Engineer* *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  
*Software Development Engineer* *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  
*Student and Mentor, Classical Language Toolkit (CLTK)* *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

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- **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 phone's movement to detect whether the user is asleep and pause music playback accordingly.

## OPEN SOURCE CONTRIBUTIONS

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- **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

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- **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

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- **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

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

## TALKS AND CONFERENCES

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- **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