

Adel Ismael Mandanas

mandanas.adel@gmail.com | (+63) 9954908826 | Manila, Philippines
linkedin.com/in/mandanasadel | github.com/mandanasadel | gitlab.com/mandanasadel

WORK BACKGROUND

Software Engineer

Freelancer.com | August 2019 - present

Freelancer.com is the world's largest freelancing and crowdsourcing marketplace by the number of users, with over 41,695,174, and projects, with over 17,310,175.

- Designed and implemented an email and payment verification wall on the hiring funnel of the website, using PHP, Angular, and RxJS, that led to a 42.4% decrease in project-related spam.
- Designed and implemented an email verification wall with a scheduled reminder on the post-projects funnel, using Angular, RxJS, and RabbitMQ, which will help cut down 94% of post-projects-related spam.
- Worked on the facial recognition service used for the face matching of the user's profile image against their KYC documents using Python and RabbitMQ.

Data Engineer Intern

Freelancer.com | June 2018 - July 2018

- Optimized the execution time of a MySQL ETL query from 2 hours to 16 seconds by rewriting the query into AWS Redshift.
- Upgraded and maintained highly scalable A/B test management systems, data dashboards, and graphing tools.
- Dealt with data acquisition tasks for site tracking systems and web scraping.

Director for Engineering

UP CSI | June 2018 - July 2019

UP Center for Student Innovations is a service-oriented student organization aimed towards the enhancement of student learning by working with real-world software projects.

- Handled and organized 2 university-wide web development workshops about Ruby on Rails (5-day event) and JavaScript and React (3-day event).
- Handled and organized the 3-day Software Engineering and Scrum Training workshop for the engineers of UP CSI.
- Managed the work of the engineering team, tracking the work and progress of 4 internal software projects of UP CSI.

EDUCATIONAL BACKGROUND

University of the Philippines Diliman

B.S. Computer Science | August 2016 - June 2019

Magna Cum Laude | 1.3037 GWA (1.00 being the highest)
Samsung Research Excellence Award

Relevant Courses:

- Algorithm Design and Analysis
- Cloud Computing
- Computer Security
- Computer Networks

SOFTWARE PROJECTS

University Events Mobile App

August 2017 - July 2019

- Co-founded, designed, and developed the Android and iOS app, in React Native, that aims to provide real-time information on news and events around the campus.
- Approved by the university Chancellor as the official news and events application of UP Diliman.
- Received over 3,000 downloads and a 4.65 average rating in the Google Play Store, and over 1,100 downloads in the App Store.

E-commerce with Freelance Delivery System

August 2019 - Present

- Co-founded, designed, and developed the database schema, API endpoints, web socket events, and the datastore of an in progress local goods e-commerce website with a freelance delivery system using Django, Express, Socket.io, and Redux.

Blockchain Electoral System

August 2018 - May 2019

- Researched, designed, and developed an Ethereum and Solidity-based electoral system for the Philippine elections.
- Published this undergraduate research paper to the University of the Philippines research journal.

Electoral System Web App

December 2019 - July 2019

- A secure and modular web application designed for the internal elections of UP CSI's executives.
- Designed the cryptographic protocols for the security of the website such as the inclusion of Threshold Cryptosystem and Shamir's Secret Sharing Scheme.

TECHNICAL SKILLS

Proficient with:

JavaScript • TypeScript • Angular • React • Redux • RxJS
Express • Node.js • Python • HTML • CSS • Linux • Agile

Familiar with:

Docker • Ruby on Rails • Django • Ethereum • Solidity • PHP
Socket.io • RabbitMQ • AWS

ACHIEVEMENTS

3rd Place Freelancer.com Hackathon

A company-wide hackathon handled by Freelancer.com where revenue-generating projects and ideas were discussed.

3rd Place P&G Moonshot Hackathon

A hackathon handled by P&G where solutions to the Philippine hand-washing problem were discussed.