DIEGO ALLEN

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EXPERIENCE

Senior Software Engineeer, Routable Inc.   **Sept 2021 – Present**

Routable is a platform that allows its users to send and receive business-to-business payments.

- Worked on a feature that allowed customers with multiple accounts to switch between them without having to re-authenticate.
- Worked on a project to introduce per-client subdomain URLs. E.g: client.app.com. Making it easier for customers with multiple accounts, for example, account firms, to have multiple sessions in parallel. Migrated 100% of customers from the generic top level domain to their custom subdomains seamlessly without re-authentication.

Technical Environment

Python, Django, Django REST Framework, PostgreSQL, Celery, Redis, React, Redux.

Software Engineer, Paladin   **Jun 2017 – Aug 2021**

Paladin is a Pro Bono management SaaS. The platform allows companies and law firms to track their pro bono work and legal service organizations to recruit volunteers.

- Worked alongside the CTO in the early days to design the system. As the team grew, responsibilities expanded to writing and reviewing technical specs and doing code reviews on fellow engineers' work.
- Implemented Single Sign On and Single Logout in the backend connecting with third-party Identity Providers via the SAML Protocol. This feature enabled the sales team to target larger enterprise customers.
- Built search feature that allowed users to search for Pro Bono opportunities by title, description and location increasing engagement by lawyers browsing for opportunities. Used PostrgreSQL's full text search functionality.
- Added end to end testing to the CI pipeline to ensure the proper behavior of core workflows inside the app and catch regressions. Used Docker and docker-compose to recreate the backend environment and to run the e2e test runner.

Technical Environment

Python, Django, PostgreSQL, Celery, React, Material UI, GraphQL, Heroku, AWS S3, Docker, CircleCI.

Software Engineer, Canopy via Toptal   **Feb 2017 - Mar 2018**

Built the backend for the MVP of an iOS application to help freelancers find better jobs.

- Built scrapers to scrape jobs from major freelancing sites using Python and the Scrapy framework. Scraped 200,000+ jobs a week.
- Built REST API that handled user registration, login, logout and fed data to the mobile app using Python, Django and Django Rest Framework.
- Built async background tasks in the backend to score jobs for individual users and present the highest scored ones. Used Python, Django and Celery.

Technical Environment

Python, Django, PostgreSQL, Celery, Scrapy.

Software Engineer, Scrapinghub   **Dec 2015 - Aug 2016**

Cloud based web scraping service. Professional Services in web scraping.

- Worked on the Professional Services team working on web scraping spiders for customers using Python and the Scrapy Framework.
- Contributed to projects for the Data Services team, building web scraping spiders that crawled 1M+ pages, usually popular sites whose datasets were regularly asked for by clients (social networks, classifieds sites, etc.).

Technical Environment

Python, Django, Celery, Scrapy.

EDUCATION

Catholic University "Nuestra Señora de la Asunción"; Asunción, Paraguay   **2008 – 2014**

- Teaching Assistant for Computer Architecture
  - State Machines, Combinational Logic, Sequential logic, MIPS, Verilog
- Teaching Assistant - Database Systems
  - Database Theory, Relational Algebra, SQL