

# ALEX GRACE



+44 79333 23735

www.HireAlexGrace.com



alex@adgrace.com

github.com/alexgrace95

## Full Stack Developer

### WORK EXPERIENCE

#### Full Stack Developer

##### Finatext UK

Oct 2018 - Present London, UK

- Principle full stack developer to regenerate sister companies technology, TravelFX, the UK's largest online postal currency exchange and IMSFX, forex brokerage.
- Two parts to the project: 1) To bring together their retail services into a challenger bank, offering clients a prepaid card, foreign exchange, overseas transfer & foreign currency in the post, 2) Digitalise current corporate and HNW FX and overseas remittance business.
- Wide ranging responsibilities including requirement gathering with the business, solution architecture, product strategy and vendor evaluation.
- Developed internal administrator platform including user authentication with MFA token, dynamic role based permissioning and user focused navigation. This platform is the gold standard foundation used to build internal views and is in production with the business.
- Full design and development of Python REST API, WebSocket API, Postgres database, vendor API integration and unit and end to end testing.
- Built [www.imsfx.co.uk](http://www.imsfx.co.uk) for prospective clients and respective backend.
- Spearheaded CI/CD deployment pipeline on newly configured AWS account.
- Introduced agile environment to enable rapid delivery via regular scrums and sprints.
- Responsible for mentoring new joiners and bringing them up to speed on the project.

#### Regulatory Risk & Controls Developer

##### Deutsche Bank — Summer Intern

Jun 2016 - Aug 2016 London, UK

- High profile project developing a real-time tool to calculate technology risk and regulatory compliance from ticketing data for senior management and regulators.
- Setup the data universe and created the dashboard using SQL and SAP Business Objects. Dashboard was presented to senior management.

#### Global ETL (Informatica) Support

##### J.P. Morgan Chase — Year Long Intern

Jun 2015 - Jun 2016 Bournemouth, UK

- Responsibilities included investigating and resolving outages and support tickets across all environments (Dev to Prod) including weekend support.
- Worked on platform tech refresh, responsible for acquiring licenses and communications to teams on the service.
- Implemented new Geneos KPI's on infrastructure and trending analysis.
- Created automated weekly infrastructure performance and issue reports.

### EDUCATION

#### PhD - Mobile Edge Distributed Intelligence

##### 5G Innovation Centre, University of Surrey

Oct 2017 - Oct 2018 Guildford, UK £ Sponsored by BT

- Researched how compute infrastructure can be utilised at the edge of the mobile network and how applications, information and intelligence could be distributed.
- The PhD was not what I expected and did not utilise my strengths of development work and working as part of a team. I persevered for 1 year and decided to look for a new role.

#### BEng Electronic Engineering with Placement Year

##### University of Surrey

Sep 2013 - Jun 2017 Guildford, UK 🏆 Achieved 2:1

- **Final Year Project:** Using Social Media Data to Analyse City Dynamics
- **Final Year Group Project:** Creating an Internet of Things Wearable Medical Watch. Responsible for developing full backend and monitoring app in Meteor.
- **Modules Included:** Programming (C & C++), Computer Vision and Pattern Recognition, Data & Internet Networking, Communications & Mathematics

### NOTABLE PROJECTS

#### City-Analysis.com — Data Analysis Platform

- Platform to visualise Foursquare and Santander Cycle movements and city dynamics in London and New York. Initial development was for BEng Final Project and the project is still work in progress.
- Frontend developed in Angular 5 and Bootstrap 4 with Leaflet Maps and hosted on AWS S3 with Route 53 and CloudFront, also features MailChimp API integration. Serverless Java backend API developed using AWS Lambda and Aurora MySQL database. Created data processing pipeline utilising AWS Kinesis and EC2, receiving tweets from Twitter streaming API, querying Foursquare API and storing relevant checkins.
- Original site included K-Metoids artificial intelligence algorithm for clustering venues and users based on checkin patterns.

#### LifeQuay.com — Lawyer-Client Platform Startup

- LifeQuay is a premium platform lawyers give their clients to track transactions such as house purchases, wills and power of attorney.
- Streamlines process for lawyers and reduces KYC & AML risk.
- Developed frontend enabling law firms to invite clients into the platform, capture client and transaction information, generate quotes, calculate risk scores and track the transactions.
- Worked closely with overseas dev team building out backend.

#### Moment-Timezone — Javascript, Open Source Contribution

##### Downloaded over 3.6 Million times per week

- Added functionality to javascript package to return the countries within a timezone and to return the timezones within a country.

### LANGUAGES

#### Proficiency

Python	●●●●●
Angular 8	●●●●●
SQL	●●●●●
Javascript	●●●●●
HTML & CSS	●●●●●
Java	●●●●●
Unix Shell Script	●●●●●
C & C++	●●●●●

### TECHNOLOGIES & SKILLS

Unix	DevOps	API Dev
Web App Dev	MySQL	CI/CD
Git	Serverless	Postgres
Amazon Web Services	Agile	
Data Pipeline	Electron	
IBM Cognos	Geneos	
Informatica Support		
SAP Business Objects		

### ACHIEVEMENTS

Top 5% Globally and Top 100 in the UK on HackerRank Project Euler Algorithmic Challenges

Participated in Hackathons

Gold Duke of Edinburgh Award

University Swimmer

Grade 7 Trumpet & Grade 5 Singing

Appointed Course Rep