

Anirudh Pillai

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Skills

Programming	Python, Javascript, Java, Haskell, C, Shell Scripting
Tools	PostgreSQL, MongoDB, Elasticsearch, Grafana, AWS, Git, Docker, Travis CI, Linux (Ubuntu and CentOS)
Libraries	Django, D3.js, Pandas, Matplotlib, React, Flask
Languages	English, Hindi

Education

University College London

London, UK

B.Sc. COMPUTER SCIENCE

Sept. 2015 - PRESENT

- Expected - First (82.4%), with minor in Finance and Accounting
- Final year project on framework for verification of distributed systems, implementing and proving correctness of Paxos consensus protocol.

Vibgyor High International

Gujarat, India

A LEVELS

Jan. 2013 - Jan. 2015

- Mathematics, Economics, Physics, Chemistry, English Language - A*A*A*B

Work Experience

Citigroup

London, UK

TECHNOLOGY SUMMER ANALYST

Jun 2017 - Aug 2017

- Set up Grafana and Logstash to build a capacity monitoring application using Elasticsearch.
- Used Python and Elasticsearch API to set up a unique data pipeline with Graphite as the data source which enabled us to create more powerful and detailed data visualisations.
- Researched into alternative tools like StatsD and Carbon Aggregator in order to set up the unique data pipeline.
- Configured and deployed Logstash, Elasticsearch and Grafana on CentOS to create a dashboard to monitor important server metrics.

UCL Information Services Division

London, UK

SOFTWARE ENGINEER

Mar 2017 - Present

- Using Python to create API's around UCL's digital services for establishing an ecosystem of third party UCL apps.
- Used React and Django to create a website to manage room bookings in UCL.
- Built a documentation template for API's using React and Material-UI.

Activate Technologies

London, UK

SOFTWARE ENGINEERING INTERN

Jun 2016 - Sept 2016

- Created a platform to build and run multiple Facebook Messenger bots from the same server, thus, cutting costs considerably.
- Used Express.js, Node.js, MongoDB and D3.js to build the backend for the platform, CMS and the analytics dashboard.

Engineers Without Borders UCL

London, UK

OPEN SOURCE PROJECTS COORDINATOR

Oct 2015 - Present

- Started a Github organisation for EWB UCL where students build open source software needed by NGO's.
- Responsible for contacting NGO's for projects and organising meetups for students to plan and develop projects.

Projects

- **Trading Epiphany** - A real time trading platform built in React which allows the user to submit orders and receive order update messages.
- **Bytecode Optimiser** - Wrote a Java Bytecode Optimiser using Apache Commons BCEL.
- **RDF Explorer** - Led a team of three to develop a GUI for Bosch which allows querying and manipulation of their RDF Graph database.

Honors & Awards

2016	Winner , J.P. Morgan Code for Good - Save the Children	London, UK
2017	Winner , Microsoft Data Science Student Challenge	London, UK
2017	Winner , Systematica Codeathon	London, UK

Interests

Software Architecture, Distributed Systems, OS, Data Analysis