David Adler

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Experience

Feb 18 – Present   **Senior Full Stack Contractor (Self Employed)**, *OFTN, San Francisco, US*
- Peer to peer distributed CDN.
- Go, service workers, redis, javascript and web sockets.

Mar 17 – Feb 18   **Senior Full Stack Contractor (Self Employed)**, *Clevertech, New York, US*
- React, Node, Knexjs, SQL, Postgres, docker, ES7, JS, Webpack.
- Premiere financial clients and fintech startups. Managed client relations and expectations.

May 16 – Oct 16   **Senior Full Stack Contractor (Self Employed)**, *Cloudfind, Bath, UK*
- Django, python, node, postgres, celery, angular, AWS SQS, linux, remote working.
- Brought in to streamline and rewrite backend ETL process.
- Profiled and improved bulk SQL upsert performance 200 fold.

Jun 15 – May 16   **Founder and Lead Developer**, *Fube, Remote*
- Ruby on rails, resque, rspec, angular, karma, gulp, guard, browserify, scss, heroku, BDD.
- A social music discovery startup I built. Fube creates a song feed aggregated from across your facebook network.
- Fube was officially approved by facebook and had over 300 active users.

Apr 14 – Jun 15   **Full Stack Developer**, *Search Team - Chaordic, Florianopolis, Brazil.*
- Python (Flask), angular, elasticsearch, git, redis, rsync, AWS (EC2, S3, cloudfront), docker, ansible and nginx.
- Brazil's largest e-commerce recommendations company, integrated with over 60% of Brazil's e-commerce. Search requests exceeding 6k RPM.
- Developed the autocomplete widget which lead to a 50% increase in search usage and 10% increase in ecommerce sales.

Aug 13 – Dec 13   **Full Stack Developer**, *SuperAwesome, London, UK.*
- Django, python, javascript, heroku, S3 storage, git, HTML5 canvas.
- Innovated and developed a front-end automator web app which optimized front-end build time from 5 hours to 1 minute. Presented web app to complete staff.
- Developed multiple HTML5 canvas mini-games.

Education

2013 – current **Massive Open Online Courses**
- Bitcoin and Cryptocurrency Technologies, Princeton University, Coursera
- Algorithms, Princeton University, Coursera
- Compilers, Stanford University, Coursera
- Hardware Software Interface, University of Washington, Coursera
- Object Oriented Programming in Java, University of California, Coursera
- **Udacity:** Intro to Algorithms, Javascript Design Patterns, Relational Databases, Web development. **EdX:** MEAN Stack

2009 – 2013 **2:1 (69%) BSc Honours Neuroscience**, *University of Manchester* , UK.
- Project (awarded 1st): Disproved validity of a pioneering artificial intelligence algorithm. I designed machine learning algorithms which innovated classical neural networks based on bleeding edge neurobiology.
- Unlike my peers I designed my final year project without assistance and had been working on it since the summer before out of passion for the topic.

2005 – 2009 **Secondary education**, *Ibstock Place School, St. Paul's School*, London, UK.

A levels: Physics (B), Maths (B), Biology (B). AS level: French (B).

GCSEs: 1A*, 5As, 4Bs + Triple Science.

Languages English (native), Portuguese (fluent), French (advanced) and Spanish (advanced).

Technical skills

In my spare time I enjoy studying and building my ideas. I am most interested in web development but also enjoy AI and solving coding problems.

Python > 5 years experience and favourite language. Developed with django and Flask for websites serving 1000 rpm. I prioritize test coverage, TDD, DRY principle and keeping things at least $O(n)$. django, webapp2, Flask, numpy/scipy, matplotlib, selenium, BeautifulSoup, elasticsearchpy.

Javascript > 5 years experience. Closely following the latest developments in the JS world and always using ES.Next. Preferred language for asynchronous code. Proficient on server and client. Worked with many MVCs, module systems, backend and frontend frameworks. On the frontend I prioritize: small bundle sizes, intuitive UX and perceived performance. React, angular, express, web sockets, HTML5 canvas, gulp, webpack, npm, mocha.

Ruby 1 years experience with Ruby on Rails whilst building Fube.

Databases Postgres, MySQL, mongodb, elasticsearch, redis. Proficient at writing complex but efficient queries and designing normalized schemas.

Java & C Academic proficiency with algorithms, data structures, types and other CS theory.

HTML & CSS Proficient with SASS and building performant fluid designs. Interested in grid systems, color systems and typography. CSS3, flexbox, animations and transitions.

Linux Proficient with maintaining servers. Familiar with docker, bash, ssh, htop, less, grep.

Interests

Acrobatics, surfing, capoeira, neuroscience, real estate, travel, playing music, learning.