

# David Adler

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## Experience

- Feb 18 – Present **Senior Full Stack Contractor (Self Employed)**, *OFTN, San Francisco, US*
- Peer to peer CDN.
  - Go, service workers, redis, javascript and web sockets.
- Mar 17 – Feb 18 **Senior Full Stack Contractor (Self Employed)**, *Clevertch, New York, US*
- React, node, knexjs, SQL, postgres, docker, ES6+, JS, Webpack.
  - Premiere financial clients and fintech startups. Managed client relations and other developers.
- May 16 – Oct 16 **Senior Full Stack Contractor (Self Employed)**, *Cloudfind, Bath, UK*
- Lead technical vision to streamline and rewrite backend ETL process.
  - Django, python, node, postgres, celery, angular, AWS SQS, docker.
  - Profiled and improved bulk SQL upsert performance 200 fold.
- Jun 15 – May 16 **Founder and CTO**, *Fube, Remote*
- Ruby on rails, resque, rspec, angular, karma, gulp, guard, browserify, scss, heroku, BDD.
  - A social music discovery startup. Fube generates playlists by integrating facebook, youtube and freebase APIs.
  - 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.

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## Education

### 2013 – current **Massive Open Online Courses**

- Bitcoin and Cryptocurrency Technologies, Princeton University, Coursera
- Algorithms I & II, 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).

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## 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 algorithm challenges.

- 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 ES6+. 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, http, less, grep.

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## Interests

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