

# David Garner

## Software Developer

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I'm a full-stack web developer and technical team lead based in London. My primary focus is front-end development with React, but I also have considerable professional experience in back-end development with Django, Python, and Node.js. I place a strong emphasis on quality in all of my code, and consider unit testing and code review to be essential parts of the development process.

## Skills

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- Front-end: **React, Redux, RxJS, TypeScript**, SCSS, Webpack, jQuery, Recent ECMAScript Features, Responsive Design
- Back-end: **Python, Node.js, Django, Docker**, Express, Solr, ElasticSearch
- AWS: **CloudFormation, CloudWatch, Fargate**, CloudFront, Lambda
- Testing: **Mocha, Jest, Selenium**, TDD, BDD, pytest
- Source Control and CI/CD: **Git**, Jenkins, TeamCity, Gitlab CI, Subversion
- Command line tools: **Vim**, Bash, common Unix tools (*grep, sed, make, etc.*)
- Process Management: Jira, Trello, Scrum, Kanban

## Employment History

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### 2020–present: Senior Frontend Lead, then Technical Lead at QMetric, London, UK

- Took ownership of the JavaScript codebase within a home insurance platform, built with Domain Driven Design in a cloud-native, event-driven, microservice architecture
- Designed and prototyped a Microfrontend architecture to support parallel teams developing the same web app
- Collaborated with the infrastructure team to containerise the legacy JavaScript services to run in AWS Fargate
- Set and assessed technical tests and interviewed candidate frontend developers

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### 2019–20: Engineering Lead at Intel, London, UK

#### Technical Team Lead for a Search App

- Architected the front-end build for a revamped single-page search app
- Collaborated with Product Development and Project Leads to ensure the technical requirements for requested features were considered, planned-out, and communicated with developers in London, Chicago, and Shanghai
- Held responsibility for technical direction, tech-debt prioritisation, and code quality standards on the project

#### Code Owner for Internal Front-End Libraries

- Helped implement the company's design system using internal React libraries
- Designed and reviewed component APIs, emphasising backwards-compatibility and extensibility
- Ran a half-day introductory workshop on React and working on our internal UI Components library

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## 2015–19: Software Developer at Intel, London, UK

Gained a wide range of experience with legacy and new codebases, primarily with React front-ends and Django back-ends, specialising in front-end development

### Apps, Projects, and Tools

- Built a dashboard app for displaying and collating direct marketing data with a team based in Chicago
- Prototyped and created an app for dynamically collating and crossing consumer survey data in tables and charts
- Created internal tools and libraries to help with visual regressions testing and browser-based Selenium testing

### Other

- Joined remote and in-person interview panels for potential interns, graduate developers, and senior front-end developers
- Gave talks on Visual Regressions testing, TypeScript, Styled Components, and design patterns in React
- Helped found the "Front-End Chapter", a cross US-UK team group dedicated to sharing knowledge and best practices in front-end development
- Organised and participated in cross-company coding competitions on competitive game-playing AIs and image classification challenges
- Ran a lunchtime "Coding Club" teaching front-end frameworks and TDD

## Education

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### 2011–15: Queen Mary University of London, London, UK

Degree: Doctor of Philosophy (PhD) in Theoretical Physics (String Theory)

- Published peer-reviewed papers, gave talks at multiple academic institutions, taught Physics undergraduates

### 2007–11: University of Cambridge (Christ's College), Cambridge, UK

Degree: BA with MMath, Mathematical Tripos, First Class/Honours Pass

## Interests

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### Coding

- Contributed to various open source JavaScript projects
- Attended conferences and meetups on TypeScript, React, and GraphQL
- Experimented in personal projects with GraphQL, Apollo, NumPy, TensorFlow, Haskell

### Other

Board games, metal, folk, sci-fi, running, swimming, craft beer

[View online](#)