

David Garner

Software Developer

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Full-stack web developer with a focus on front-end web development

Overview

I'm a software developer based in London, currently working as a technical team lead and a full-stack web developer. My main interests are in front-end development, in particular with modern JavaScript tools and libraries such as React and Redux, 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 automated testing and code review to be essential to the development process.

2019–present: 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 the 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
- Held responsibility for designing and reviewing component APIs, emphasising backwards-compatibility and extensibility
- Ran a half-day introductory workshop on React and working on our internal UI Components library

Other

- Joined interview panels for phone and in-person interviews for potential interns, graduate developers, and senior front-end developers
- Created a roadmap for refactoring a complex content editor on our CMS into a new app using React and ProseMirror

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 an internal Python library for visual regressions testing with Selenium
- Created a Node.js tool for capturing and imitating HTTP requests for use with Selenium testing
- Helped build a search and static content app with a Backbone frontend

Other

- Gave talks on Visual Regressions testing, TypeScript, Styled Components, and design patterns in React
- Was a founding member of 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

Skills

- Front-end: **React, Redux, SCSS**, Webpack, Node.js, jQuery, Recent ECMAScript Features, Responsive Design
- Back-end: **Python, Django, Docker**, Solr, ElasticSearch
- Testing: **Mocha, Jest, Selenium**, BDD, pytest
- Source Control and CI/CD: **Git**, SVN, Jenkins, Gitlab CI
- Command line tools: **Vim**, Bash, common Unix tools (grep, sed, make...)
- Process Management: Jira, Scrum, Kanban

Education

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

Coding

- Contributed to open source projects involving ESLint and Stylelint
- Attended conferences and meetups on TypeScript, React, and GraphQL
- Experimented in personal projects with GraphQL, Apollo Client, RxJS, NumPy, TensorFlow, Haskell, Go

Other

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

[View online](#)