NEIL SMITH

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Summary

Software Developer with 5 years of experience. Looking for a fully remote Angular or Python contract role, available to start immediately. Experienced with:

* Reducing app load times using Lazy Loading, Preloading, Caching APIs and Pipes.
* Handling APIs and asynchronous events using RXJS, HTTP Interceptors and Services.
* Implemented website rebranding and created reusable styles using SASS Placeholders.
* Building responsive, mobile first, printable designs using JSPDF and BEM methodology.
* Creating reactive forms and handling user inputs with Angular Material.
* Writing unit tests in Jasmine and Jest and setting up a reusable Testbed with mocks.
* Handling large amounts of data in AG Grid tables using custom components.
* Created interactive and dynamic color maps using OpenLayers.

Skills

Recent Certificates

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| **10/2023** | **Python Mega Course: Learn Python in 60 Days, Build 20 Apps** |
|  | Udemy |

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| **10/2023** | **Build a Backend REST API with Python & Django - Advanced** |
|  | Udemy |

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| **09/2023** | **Python Django – The Practical Guide** |
|  | Udemy |

Work Experience

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| **08/2022 – 03/2023** | **Angular Developer** |
| **Remote** | Verisk Maplecroft |

* Angular 12, TypeScript, HTML, SCSS, NPM, Git, Agile Sprints, Jira, Bitbucket, RXJS, NX Monorepo, Jasmine, Jest, JSPDF, AG Grid, Browserstack, OpenLayers
* Implemented rebranding of website, updating layout, colors, icons and logos.
* Modified behaviour and styles of AG Grid Tables using custom components and icons.
* Updated printed document styles and content using JSPDF.
* Created interactive and dynamic color maps using OpenLayers.
* Investigated and helped migrate to Google Analytics 4
* Fixed bugs on various browsers using Browserstack
* Refactored and moved code and styles to NX Repo library from individual apps to create reusable components
* Created reusable styles using SASS Placeholders and modular SASS imports with SASS Use
* Implemented a reusable icon component with dynamic colours using CSS variables

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| **01/2022 – 05/2022** | **Angular Developer** |
| **Remote** | Talogy |

* Angular 12, TypeScript, HTML, SCSS, NPM, Git, Agile, Jira, Azure DevOps, GitHub, RXJS, Angular Material
* Worked closely with UI designer to create prototypes of designs to help in appraisal.
* Built responsive mobile first and printable designs using BEM methodology.
* Sole UI developer tasked with creating 3 Page UI with forms for internal use.
* Improved UX using Modals, Notifications, and Persisting App State on page refresh.

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| **06/2020 – 03/2021** | **Angular Developer** |
| **Remote** | 10X |

* Angular 9, TypeScript, HTML, SCSS, Jasmine, Karma, NPM, Git, Agile, Jira, HighCharts, Azure DevOps, GitHub, ng-select, RXJS, flatpickr, immutable.js, lodash, eslint, stylelint
* Improved user experience and UI responsiveness by using the on-push change detection strategy and detaching the change detector, reducing unnecessary loading.
* Reduced build pipeline time and risk of downtime by caching dependencies during pipeline, removing dependence on external websites.
* Reduced risk of downtime and code quality by adding build validation policies, requiring unit tests and syntax checker to pass before merging PRs.
* Reduced pipeline time, by running unit tests in parallel over multiple CPU cores and cleaning up CSS after running tests, preventing memory leaks.
* Improved code quality and prevented code coverage dropping by ensuring PR pipeline fails if unit tests have not been written for new and changed code.
* Improved team coding and unit test standards by writing coding, syntax and unit test guideline documentation and coaching the team on standards.
* Improved tracking of code coverage and test results, by publishing test results and code coverage during build pipeline.
* Improved code syntax and quality by migrating from old syntax checker TSLint to new ESLint, adding new syntax rules and enabling syntax checker for CSS files.
* Helped increase code coverage by 40% by writing over 600 unit tests. Improved code readability and data flow by adding missing data types.
* Improved code quality, readability and data flow and reduced risk of cyclic dependencies by refactoring code, splitting up monolithic service into smaller services.
* Improved app security by creating a service to check no personal information is saved to local storage.
* Improved compatibility of application with older browsers like IE11 using polyfills and created workarounds for IE11 bugs.

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| **09/2018 – 03/2020** | **Full Stack Developer** |
| **Hursley, UK** | IBM CIC |

* Java 8, Junit, Maven, Angular.js, Angular 7, HTML, SCSS, JavaScript, TypeScript Jasmine, Karma, NPM, React Native, Redux, MongoDB, Docker, Kubernetes, Conductor, Git, Jira, Agile, AWS Lambda, Python
* Migrated existing UI to Angular 7 and developed a new prototype UI in Angular framework to demo potential new features.
* Experimented with new ideas and designs and investigated how new technologies could be utilised.
* Created a prototype mobile app in React Native with MongoDB for client in 3 months.
* Orchestrated the running of Docker containers along with Java application using Netflix Conductor.
* Supervised new team members and got them up to speed on project and processes.
* Worked closely with business analysts and consulted regularly with client on project status, new proposals and technical and design issues.

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| **06/2017 – 08/2017** | **Research Student** |
| **Sheffield** | The University Of Sheffield |

* Won scholarship of £1080 to complete research over summer as part of Sheffield Undergraduate Research Experience.
* Created numerical algorithm in MATLAB that finds mathematical expressions, Bell Inequalities, that can help to determine whether particles are quantum entangled. Discovered new Bell Inequalities and contributed original research.
* Presented research at the Sheffield Undergraduate Research Experience SURE and the British Conference of Undergraduate Research BCUR.

Education

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| **2018** | MPhys Theoretical Physics | 1st Class |
| **Sheffield, UK** | The University Of Sheffield |

Calculation Of Tight Bell Inequalities Through Robustness

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| **2014** | A Levels |
| **Huddersfield, UK** | Greenhead College |

Physics: A, Maths: A, Chemistry: A, General Studies: D, AS Further Maths: A,

AS Computing: A

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| **2012** | GCSEs |  |  |
| **Holmfirth, UK** | Holmfirth High School |  |  |

Physics: A, Maths: A, FSMQ Additional Maths: A, Chemistry: A, Biology: A,

Statistics: B, ICT Distinction, English Language: B, English Literature: B,

Geology: A, Spanish: A, Religious Studies: A

Awards

2018 | Tim Richardson Memorial Prize | £150

Demonstration of determination and resilience in order to fulfil academic potential.

2017 | SURE Scholarship | £1080

Awarded one of a limited number of funded research scholarships to complete a research project in Physics over summer.

2016 | Ifor Austin Prize | £80

The best performance by a physics student in their second year.

2015 | Ede And Ravenscroft Prize | £71.42

One of seven of the best overall performances by a student in the faculty of

science in their first year.

2015 | Fiddes Prize | £50

The best performance by a physics student in their first year.

Achievements

Published Programming Articles In A Publication

<https://javascript.plainenglish.io/9-html-template-unit-tests-to-write-for-angular-apps-f1970b2cda4e>

Published A Programming Course On Udemy

<https://www.udemy.com/course/unit-testing-angular-9-with-jasmine-html-templates/>

Created My Own App In React Native <https://play.google.com/store/apps/details?id=com.repayme>

Published My Own NPM Package

<https://www.npmjs.com/package/angular-templates-code-coverage>