NEIL SMITH

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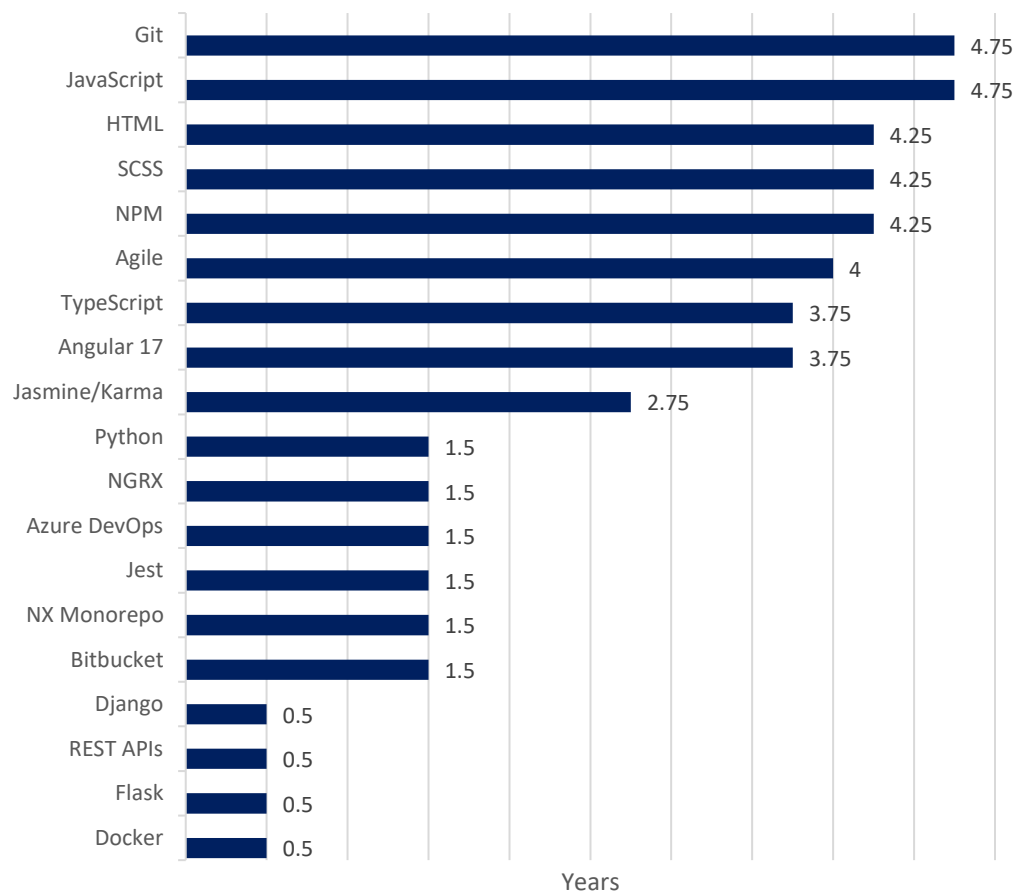
Summary

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

Skill	Years
Git	4.75
JavaScript	4.75
HTML	4.25
SCSS	4.25
NPM	4.25
Agile	4
TypeScript	3.75
Angular 17	3.75
Jasmine/Karma	2.75
Python	1.5
NGRX	1.5
Azure DevOps	1.5
Jest	1.5
NX Monorepo	1.5
Bitbucket	1.5
Django	0.5
REST APIs	0.5
Flask	0.5
Docker	0.5

Recent Certificates

10/2023	**Python Mega Course: Learn Python in 60 Days, Build 20 Apps** Udemy
10/2023	**Build a Backend REST API with Python & Django - Advanced** Udemy
09/2023	**Python Django – The Practical Guide** Udemy

Work Experience

08/2022 – 03/2023
Remote

Angular Developer
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

01/2022 – 05/2022
Remote

Angular Developer
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.

06/2020 – 03/2021
Remote

Angular Developer
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.

09/2018 – 03/2020
Hursley, UK

Full Stack Developer
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.

06/2017 – 08/2017
Sheffield

Research Student
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

MPhys Theoretical Physics | 1st Class
The University Of Sheffield
Calculation Of Tight Bell Inequalities Through Robustness

A Levels
Greenhead College
Physics: A, Maths: A, Chemistry: A, General Studies: D, AS Further Maths: A,
AS Computing: A

GCSEs
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