# Nathan Nile

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## TECHNICAL SKILLS

**Languages**: TypeScript, JavaScript, Python, HTML/CSS
**Frameworks**: React, Django
**Testing**: Cypress, Jest, React testing library, Pytest
**Other**: Node.js, Express.js, SQL, MongoDB, PostgreSQL, git

## EXPERIENCE

### Software Developer — London, UK
*LiveMore Capital - Position for a mortgage fintech* — *2022 – present*
- Working to produce a full stack web application for the production and management of mortgage applications
- Development of frontend data capture platform in React and Typescript using react hook forms library
- Development of frontend unit and integration tests for data capture platform using react testing library
- Development of backend Django application using Python featuring custom validation schema and integration with additional services
- Development of backend unit tests for Django application using pytest
- Providing support to junior members of the development team
- Presenting demonstrations of features to internal stakeholders
- Liaising with an external development team to ensure handover of a previous application
- Tech used: TypeScript, React.js, Python, Django, PostgreSQL, react testing library, pytest

### Software Developer — London, UK
*Theodo UK - Position for a software consultancy* — *2021 – 2022*
- Used scrum agile methodology for client projects including applications for the Finance and Intelligence industries
- Developed Full Stack features across different tech stacks including React/Django/PostgreSQL and React/Groovy on Grails/PostgreSQL
- Developed end to end tests using Cypress and Backend unit tests using the Spock framework
- Led the development of the technical strategy for features on projects
- Tech used: TypeScript, React.js, Python, Django, PostgreSQL, Cypress, Groovy, Spock

### Mechanical Engineer — Bristol, UK
*Atkins - Position for an engineering consultancy within the Nuclear Power industry* — *2019 – 2020*
- Development of data processing Python programmes for seismic modelling
- Development of VBA programmes for nuclear process cost optimization
- Worked within a client's office to organize and manage engagement interactions for the client and the regulator
- Tech used: Python, VBA, version control

### Industrial Placement Student — Bristol, UK
*Atkins - Industrial Placement for an engineering consultancy within the Nuclear Power industry* — *2017 – 2018*

## EDUCATION

### Univesity of Bath - MSc Computer Science - Distinction — Bath, UK
*1 Year full time Masters Degree*
- Masters thesis - Produced a full stack web application using React, Node, Express.js and MongoDB that integrated lecture notes into a note taking app. It was used to investigate features to improve digital note taking
- Key Modules: Principles of programming, Software Engineering, Databases, Artificial Intelligence and Reinforcement Learning

### University of Southampton - MEng Mechanical Engineering - 1st Class — Southampton, UK
*4 Year Integrated Masters Degree*
- Final Year Group Project - Designed and built an Android app using Java for a multidisciplinary engineering project. The app controlled and monitored a Prosthetic Limb through a Bluetooth connection to a Raspberry Pi
- Learnt Python through the Design and Computing module

### The Sixth Form College Farnborough — Farnborough, UK
*A Levels: Maths - A\*, Further Maths - A, Physics - A, Economics - B*