Ziyad Soobhan MSci

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Technical Skills

Languages

- Proficient in Python (2 & 3)
- Experienced in Perl, JavaScript, Bash, CSS, MATLAB, LaTeX
- Familiar with Java, C#, Go, SCSS, Less, Mathematica

Software and Technologies

- *Web Development*: Django, Django-Oscar, Flask, Fabric, Django CMS, FeinCMS, Google Analytics
- *Server Infrastructure*: AWS, Docker, Supervisor, Apache, Nginx, Vagrant, Virtualenv, Cron, Nameko
- *Data Analysis Packages*: Numpy, Pylab, Matplotlib, Origin, GNUplot
- *Version Control*: Git, Mercurial
- *Continuous Integration*: Jenkins, Gitlab CI, Travis CI, Circle CI, Rundeck, Sentry
- *Platforms*: Linux, MacOS, Windows
- *Architectures*: Scalable, Micro-services, Monolithic, Distributed, REST API
- *Coding Practices*: TDD, DDD, Agile, Kanban, Scrum

Experience

Senior Developer (Contractor)
London

Arts Alliance Media
Feb 2017 — Present

Engineering server-side logic in a polyglottic environment with complex archicture.

- Implementing complex continuous integration for components engineered in Perl and Python.
- Building new tooling and complex abstracted class structures to fulfil technical requirements.
- Refactoring existing codebases to adhere to best practices using modern coding practices.

Software Developer (Contractor)
London

Lystable
Oct 2016 — Jan 2017

Engineering server-side logic for software built with a domain-driven micro-service architecture using Flask/Python3.5

- Implemented complex business-critical logic including financial systems.
- Contributed to discussions regarding the evolution of complex distributed architecture and assessed future implications of design decisions.
- Provided constructive and objective feedback using procedures such as code-reviews to ensure code quality and sanity within the team.
- Worked as part of a team to deliver features within expected deadlines.

Software Developer (Contractor)
London

Pancentric Digital
Feb 2016 — Oct 2016

Primary full-stack developer on numerous projects engineered in Python/Django with a focus on back-end server-side logic.

- Provided support and maintenance on CMS-driven web applications with highly complex business-critical logic.
- Provided guidance and mentorship to a small team.
- Modernised existing codebases with an emphasis on Continuous Integration and best practices.
- Introduced new processes to streamline the delivery of projects in accordance to deadlines.
- Implemented and re-factored existing code-bases using inovative technologies conducive to robustness, modularity and productivity.

– Assessed the viability solutions and delivered completed features in accordance to agreed terms.

Software Developer London
Global Radio *July 2015 — Jan 2016*

Full-Stack developer on highly distributed software primarily engineered in Python.

- Maintained highly complex legacy centralised Content Management Systems with dissociated, dependent services.
- Negotiated and coordinated new procedures to reconcile content-driven legacy projects with modern programming ethos.
- Collaborated with a large team of developers with varied skills to scope out work packets and deliver results effectively.
- Utilised all elements of the stack including complex caching, python code and JavaScript front-end to deliver completed features.
- Provided technical assistance to both technical and non-technical users.

Software Developer London
Tangent Snowball PLC *November 2013 — June 2015*

Primary back-end developer on numerous projects engineered in Python/Django.

- Engineered projects to handle high capacities using micro-service architecture and dynamic scaling.
- Extended and enhanced Django-Oscar to create dynamic bespoke e-commerce solutions.
- Adapted to clientele needs by rapidly deploying and integrating novel functionality through various agile development techniques.

Software Developer (Data Analytics) London
Ubiquity Press (Open-Access Publisher) *March 2013 — November 2013*

Developed and maintained an exploratory data analysis tool from which business and financial decisions were made in a fast-paced reactive environment with instant feedback from end-users implemented in Django.

- Collated data using various external APIs into a structured database.
- Performed complex data analysis using mathematical libraries such as Numpy and Matplotlib.
- Provided graphical representations of results through an interactive web interface designed for non-technical end-users.
- Developed a web API which provided content to a number of academic journals.

MSci Project RHUL Physics Dept.
Aperture Photometry Project *Sept 2011 — March 2012*

Performed complex data analysis in Python (Numpy and Matplotlib) for data collected using astronomical equipment (e.g. telescope, thermoelectrically cooled cameras) and produced Color-Magnitude Diagrams.

Nanofabrication Lab Assistant RHUL Physics Dept.
SNS Junction Investigation *July 2011 — August 2011*

Produced and tested samples with Superconductive-Normal metal-Superconductive (SNS) junctions using electron beam lithography and thin film deposition.

Education

Astrophysics MSci Egham, United Kingdom
Royal Holloway University of London *2008 — 2012*

Human Spaceflight and Exploration Course (Pass with Distinction) Umeå, Sweden
Umeå University *2011*

Additional Details and Interests

I am a native English speaker (with British Passport), fluent in French and Creole.
I have a passion for rock climbing and enjoy cooking, as well as photography.
I am a regular DjangoCon attendee.

References are available upon request.