

CONNOR SWAIN

Highly motivated and proactive Django, Python and React developer, both technically capable and business aware, looking to deliver results in an international commercial environment.

connor@connorswain.co.uk

778 680 7523

Vancouver, Canada

To see my project portfolio, skills or links to my GitHub and LinkedIn profiles – please visit my personal website at connorswain.co.uk

Employment History

Lead Software Engineer at Jakt, June 2016 – Present

Jakt is a full stack product studio that offers design, development and business strategy services.

Working in a small team as the lead backend developer, I've delivered multiple successful applications across the finance, healthcare and social media industries. Primarily using Django/Python to deploy scalable REST APIs for mobile apps and web applications, my team took start-ups' ideas and transformed them into industry changing products.

When working on full stack projects, I've also collaborated on front end implementation and architecture using React, Redux and SCSS. With experience complying to both PCI and HIPAA regulations, I designed company-wide best practices documentation and templates, focusing on high security, code reusability and simplicity.

Chief Technology Officer at Mixxta, July 2015 – June 2016

Mixxta is a cross platform mobile app that enables people to connect with others users to enjoy shared dining experiences together.

As CTO, I was responsible for:

- **Scoping** and designing the project specification and requirements
- **Leading** a team of developers, designers and QA testers to develop the Android and iOS mobile apps
- **Developing** an effective and reliable Django backend and PostGIS database for the apps to communicate with
- **Configuring** a rapidly scalable, secure and monitored infrastructure using Heroku, S3, Redis, New Relic and Papertrail
- **Managing** the security of all the technology to ensure no data is compromised
- **Designing** a marketing site and web functionality using HTML, CSS and JavaScript (including Angular)

These mobile apps were successfully brought to market ahead of schedule.

Director and lead developer at Brading Software, June 2014 – July 2015

Junior Developer at Singing Horse Studio, Nov 2013 – July 2015

- Developed an award winning NearYouNow API to provide local and relevant news stories to national media outlets and a dashboard interface for journalists to manage content
- Optimization of client's adverts using custom built algorithms, taking mathematical data from the Google Adwords API

Qualifications

Computer Science BSc Hons, University of Sussex, 2015

- First class honours
- Modules included Mathematical Concepts, Programming Concepts, Comparative Programming, Limits of Computation, Web Applications, Data Structures and Algorithms, Further Programming and Professional Skills (presentation and communication)

A-levels, Queen Mary's College, Basingstoke, 2012

- Mathematics (A), Computing (B), Business Studies (B)

Previously lived and studied internationally in both Brazil and USA with employment experience in the UK and Canada.

University Course

I chose this course to prepare me for a technical role in a commercial organisation as I am interested in the practical outputs and deliverables of computer science. The course covered a range of professional and commercial skills that now enable me to put my technical capabilities into practice in a business environment. I consistently achieved a first class grade throughout my degree by delivering the following projects:

- Designed and implemented my own version control system called 'Jet' for my final year project. This was written in Python and used a Django server to make it a distributed system. It is now an active project on the Python Package Index.
- Used my Natural Language Engineering skills to code a program in Python to detect writer's opinions about amazon products in tweets.
- Created a compiler for a fictional language, coding the lexer, parser and code generator in Java.
- Researched and delivered a formal presentation to lecturers and students of a chosen topic - 'Windows 8 launch – success or failure'.

I also developed additional skills, including working as part of a team to resolve technical challenges, adapting the presentation of my work to the appropriate audience and communication with peers. I've been able to put these skills into practice throughout my professional career.

Interests and Volunteering

- Volunteered as President of the University of Sussex Mountaineering Club (2014-2015). This role included taking 30-40 people climbing indoors every week, planning and organizing trips across the country and abroad, as well as administration with the Student Union, the national climbing body (BMC) and local climbing centres. I am currently a member of the British Columbia Mountaineering Club.
- Alongside my passions in Snowboarding, Rock Climbing and Mountain Biking, I'm qualified in Wilderness First Aid, Rock Rescue and am taking an avalanche rescue course (AST-1).
- Completed Tough Mudder twice - a 20km SAS designed obstacle course requiring stamina, strength, determination and teamwork.
- Having spent many years abroad, I am a keen traveller and always like to explore new countries and environments – I have been to 19 countries so far and plan to experience more in the future.

References available upon request.