Roxanne GIBSON
Software Developer

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Roxanne is a software developer specialising in back-end software (Python) but with a broad skill base. She has worked on diverse challenges such as API building and interaction, automating workflow, and scalable web applications. Roxanne has 1 year of commercial software engineer experience with over 3 years of open source contributions as a personal hobby. A big advocate and lover of Free and Open-Source software (FOSS), her Github can be found @ github.com/roxxers and personal Git repository @ git.roxanne.dev/roxxers

⋮≡ SKILLS

Languages	Bash, CSS3 & SASS, **Golang**, HTML5, Javascript, **Node.js**, **Python**, Typescript
Frameworks	Discord.py, Express.js, **Flask**, Gin-gonic, Hugo, Jekyll, **Selenium**
Databases	**SQLite**, PostgreSQL, MongoDB
Tech	Celery, CI/CD Tools, **Docker & Docker Compose**, **Git**, **HTTP**, Linux Administration, Redis, **RESTful API's**, Websockets
Software	MS Office, Libre Office, Photoshop, GIMP/Glimpse, VSCode, IntelliJ IDEA
Personal	Great problem solving skills, works well on own initiative, experienced in working in a team and managing projects

💼 EXPERIENCE

Present
Sept. 2019

Software Developer, AUTONOMIC CO-OPERATIVE - CONTRACT, Remote
Member of a small workers' cooperative of tech freelancers that is fast paced and autonomous. Autonomic provides tech services for a number of small community projects, coops, and NGO's.
- ❯ Reworked the UI of the coop's website to improve the quality of UX
- ❯ Organising and collaborating with many members across timezones in an agile team
- ❯ Meeting with clients to discuss their requirements and delivering products on time

Jekyll HTML CSS SASS Docker Linux Admin

May 2020
Sept. 2019

Software Developer, AUTONOMIC CO-OPERATIVE - CONTRACT, Remote
Software Development for CAMPAIGN AGAINST ARMS TRADE
Provided software development to automate various parts of the organization and its day to day running.
- ❯ Created multiple scripts in Python to quickly develop automation of manual tasks
- ❯ Scripts ranged from complex calender synchronisation with office organization to complex web-scraping

Python API's Automation Web Scraping

May 2020

Software Developer, WILD WEB SA - CONTRACT, Remote
Software Development for ORKLA HOUSE CARE
Created an advanced scalable web scraping script to download dialogue from a javascript-enhanced web app.
- ❯ Required complex Python scripting with Selenium to scrape information in real-time.
- ❯ Provided elements in a set of structured JSON files
- ❯ Had to use in-browser Javascript scripting to get all required information

Python Selenium Javascript

Jan. 2020
Dec. 2019

Software Developer, SOFTWARE VENTURES - CONTRACT, Remote
Software Development for INDEX EXCHANGE
Did a number of code reviews for Index Exchange's advertiser plugins. Reviewing submissions on their suitability to be merged into the codebase. This also included some research into the automation of this process with Selenium and TravisCI.

Javascript CI/CD

Oct. 2019	Software Developer, SOFTWARE VENTURES - CONTRACT, Remote
	Designed and built an integration with the Revolut banking feed. This integration created accounting information for all accounts, dealing with multiple currencies.

❯ Designed and documented program to create CSV files with banking information for ease of use
❯ Dealt with more complex situations dealing in large amounts of foreign currency conversion
❯ Required bespoke oauth authentication flow
❯ Worked independently and on my own initiative

Node.js | Typescript | OAuth | API's

May 2018 Mar. 2018	Software Developer, FREELANCE, Remote
	Created a chat bot for a client for the platform Discord. The codebase was scalable and maintainable to allow for future modifications further down the line

Python | Discord.py

Sept. 2018 Dec. 2017	Community Manager, ASSORTED GENDER SOUNDS - VOLUNTEER, Remote
	Managed an online LGBT space on a popular role-based chat app.

❯ Planned and executed events for the community to encourage people to engage
❯ Organised an international team of moderators with regular team meetings
❯ Creation and implementation of chat bots to interact with users and improve engagement and user experience
❯ Used GSuite to organise and collaborate with other members of the team

Python | Discord.py | GSuite | Moderation

🎓 EDUCATION

2016	AS Level Computing (C), Blackburn College
2015	9 A*-C (5 A*-A) GCSE's, Rhyddings Business and Enterprise Secondary School

💻 PROJECTS

ALIEN_EBOOKS   2019-PRESENT
🔗 github.com/roxxers/alien_ebooks

alien_ebooks is a WIP web app that generates "fake" titles from sub-communities on the website Reddit. It allows users to request new titles at will, or request that a data set for a given community be created. It uses Celery as a background task manager and Flask as the web framework.

Python | Flask | Postgres | RESTFul API's | Celery | Redis | Typescript | SASS | Websockets | Webpack | Docker

ROXBOT   2017 - 2019
🔗 github.com/roxxers/roxbot   🔗 roxxers.github.io/roxbot

Roxbot is a chat bot for the popular messaging service Discord. It utilises the API wrapper and framework Discord.py to create a complex and robust chat bot. Using event-driven programming, Roxbot was used by over 3k users concurrently in over 30 guilds.

Python | SQLite | Postgres | Discord.py | RESTFul API's

CONTRIBUTIONS

Other projects contributed to include : Lutris, a games launcher for Linux; OCR Bot, a tool to aid the accessibility of images on Activity Pub social media services; and Emoji, an emoji support library for Python.

❝ REFERENCES

References are available on request