

Stan Borzhemsky

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Education

2020 – present

MEng (Hons) Computer Science (1st year), *University of York*

Modules: Software 1 (98%), Theory 1 (92%), Software 2, Theory 2, Data 1, Systems 1, Human-Computer Interaction 1 (grade % TBA)

2003 – 2006

Alberta High School Diploma, *Jasper Place High School, Edmonton, Canada*

A-Level equivalent in: Maths & Further Maths, Physics, Chemistry, English, History, French. 84% average - equivalent to AAA at A-Level.

Work Experience

October 2013 –
August 2020

Senior Machine Operator, *Contract Ltd., Sowerby Bridge, West Yorkshire*

- Operated steel sawing equipment and heavy machinery, forklifts and sideloaders
- Interpreted engineering drawings and set up the production of specified steel parts
- Led the work of junior operators in switching between product orders and supervised operations to ensure correct specifications and timely delivery of completed items
- Demonstrated initiative by liaising directly with customers to clarify order details, update on deadlines, and resolve any issues encountered
- Operated within a team-based environment consisting of logistics personnel, machine operators, office staff, and management.

Projects

Datasucker - personal-scale, self-hosted ETL pipeline

Modular framework in Python allowing the user to regularly poll external APIs for data and take actions such as storing the results or submitting on to another service.

Skills demonstrated:

- back-end development with Python
- version control with Git
- data storage and retrieval with Redis and MongoDB
- accessing third party REST APIs

Homelab-style personal Linux VM server

Headless Proxmox Linux server hosting multiple containerised services for home use, such as Nextcloud, PiHole, Home Assistant, etc. Used as a development environment and hosting of personal projects such as Datasucker (above).

Skills demonstrated:

- proficiency with Linux command line, system administration, and networking
- managing containerised workloads with Docker
- familiarity with DevOps principles such as infrastructure-as-code and CI/CD

York SSH login automation

Command line script handling creation of SSH sessions by automating the password and OTP authentication process.

Skills demonstrated:

- proficiency with Bash scripting and associated tools such as Expect
- understanding of Linux system management concepts such as remote shell, background processes, and environment variables

Skills

Software development

Python, Java, Bash

Development tools

Linux, Vim, VSCode, Git, Docker

Data management

PostgreSQL, SQLite, MongoDB, Redis

Methodologies

Test-driven development, agile, infrastructure-as-code

Interests

Art house & world cinema • Running • Photography • History & world affairs • HackSoc