Jed Walton

github.com/jedwalton

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EXPERIENCE

Software Engineer
1x2Network

Brighton, United Kingdom
January 2024 - Present

- Core technologies: Go, Java, Linux, SQL.
- Responsible for new integrations into the aggregation platform.
- Responsible for implementing, migrating, and supporting third party integrations to Go microservices and AWS infrastructure.
- Maintained data pipelines processing millions of records daily whilst supporting the migration to AWS infrastructure.

- Reduced sheer volume of support tickets by dealing with root causes and improving code quality.
- Introduced automated unit, integration and E2E testing and had this integrated into CI.
- Proficient in modern development practices such as Kanban, JIRA, Confluence, Bitbucket. Daily standups.
- Collaborated closely cross functionally to meet business objectives.

Golang Developer
Freelance

Remote
March 2023 - November 2023

- Core technologies: Go, Linux, TypeScript
- Hands on experience bootstrapping and building Micro-SaaS.

- QA techniques including Unit, Integration testing in CI/CD Pipelines with Github Actions.
- Greenfield Go projects on github.com/JedWalton

Full Stack Engineer
Bidlogix Limited

Brighton, United Kingdom
September 2022 - March 2023

- Core technologies: Linux, Java, SQL, TypeScript
- Atlassian software development with JIRA, Confluence and Bitbucket including Daily Standups, Sprint Planning and Retrospectives.

- Gained working knowledge of Container Orchestration, CICD Pipelines and QA techniques.
- Exposed to AWS infrastructure including, DynamoDB, CloudFormation, S3, APIGateway, CloudWatch.

Web3 Developer
Freelance

Remote
May 2021 - Sept 2021

- Built and managed a 6 GPU Ethereum Mining Cluster.
- Gained proficiency in linux.
- Exposed to highly collaborative start up environments.

- Gained familiarity with Hardhat, Ethersjs, Solidity, MetaMask, and Infura.

Customer Facing Employment
(18 Months Total)

Oxford, United Kingdom
2015 - 2017

- **The Bullingdon Venue**: 1 Month
- **M&S**: 8 Months
- **The Vaults & Garden Cafe**: 1 Month

- **Waitrose**: 7 Months
- **Walton Street Cycles**: 1 Month

SKILLS SUMMARY

- **Languages**:   Go, Java, SQL, C, Python
- **Libraries & Frameworks**:   Gin, Spring, gRPC
- **Tools**:   Git, MySQL, PostgreSQL, Kafka, Redis, Containers (Docker, Podman), JetBrains, nvim, vi, tmux
- **Platforms**:   Linux, Mac, Github, Bitbucket, Jenkins, AWS, GCP
- **Soft Skills**:   Critical, Pragmatic and Reflective Thinking, Mentoring, Deep Work

EDUCATION

JetBrains Academy
Java Developer, Java Backend Developer

Online
Sept 2021 - August 2022

Relevant topics include:

- Object-oriented programming
- Generic programming

- Functional programming
- Spring Framework

University Of Sussex
BSc (Hons) - Computer Science and Artificial Intelligence; Degree Classification: 2:1

Brighton, United Kingdom
October 2018 - June 2021

Courses:

- Mathematical Concepts
- Programming Concepts
- Data Structures & Algorithms
- Compilers and Computer Architecture
- Software Engineering
- Further Programming
- Program Analysis
- Introduction to Programming
- Introduction to Computer Systems
- Fundamentals of Machine Learning
- Knowledge and Reasoning
- Neural Networks
- Natural Language Engineering
- Acquired Intelligence & Adaptive Behaviour
- Computer Vision
- The Ghost in the Machine?
- Databases
- Human-Computer Interaction
- Web 3D Applications
- Ray Traced Reverberation Chamber (Dissertation)

- **University Of Sussex**   Brighton, United Kingdom
  Computing Sciences Foundation Year   *October 2017 - June 2018*

  Courses:
  - Mathematics for Computing
  - Foundation Programming
  - Program Design
  - Database and Application Development
  - Communication and Learning Skills
  - Computing Project

- **Cheney 6th Form**   Oxford, United Kingdom
  A-Levels   *Sept 2015 - June 2017*
  Courses: Computing, Physics, Music

Projects

- **Current Project Activity**: Up-to-date project activity available at github.com/JedWalton

- **LucidFX**: Created a walking sketeleton to trigger state of the art video super resolution algorithms from the web browser, and inference models in the cloud. Conducted experiments to test the viability of deploying such a product. Outputs of experiments available at https://www.youtube.com/@drumlucidly

- **Ray Traced Reverberation Chamber - University Of Sussex - Dissertation 72/100, 1st.**: Completed an extensive piece system design and implementation work under the supervision of Dr Kingsley Sage. The project involved the creation of an artificial reverberation chamber using ray tracing techniques modelling the propagation of sound along with a variety of emulated microphones and a graphical user interface. Worked independently to a large extent, defined the problem boundaries, investigated possible solutions, and presented the results verbally, in writing, and demonstrated them in action.

Hobbies and Interests

- **Micro-SaaS**: Passionate about building small, profitable, and bootstrapped businesses.
- **Mentoring**: Enthusiastic about sharing knowledge and collaboration to move from A to B efficiently.
- **Drums**: Taught me the value of deliberate practice. Achieved grade 8 with distinction.
- **Lifting Weights**: Allows me to feel grounded and clear-headed. The discipline I have developed reduces perceived effort of cognitive work considerably.

References

- **Available on request.**