Jed Walton

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WORK EXPERIENCE

Full Stack Engineer — Brighton, United Kingdom
Bidlogix Limited — *September 2022 - March 2023*

- Developed full stack web applications using Java Spring and React, enhancing technical skill and overall development experience.
- Achieved proficiency in various QA techniques, such as Unit, Integration, and End-to-End Testing, along with CICD pipelines and scripting, ensuring high-quality software delivery.
- Implemented Agile Scrum methodologies in the development process, including ticket sizing, sprint planning, daily stand-ups, and retrospectives, fostering effective collaboration and project management.
- Gained hands-on experience with AWS services, including S3, Lambda, CloudFormation, CloudWatch, and DynamoDB, expanding cloud computing expertise.

EDUCATION

University Of Sussex — Brighton, United Kingdom
BSc (Hons) - Computer Science and Artificial Intelligence; Degree Classification: 2:1 — *October 2018 - June 2021*

Relevant courses:

- Mathematical Concepts
- Programming Concepts
- Data Structures & Algorithms
- Compilers and Computer Architecture
- Software Engineering
- Further Programming
- Program Analysis
- Fundamentals of Machine Learning
- Knowledge and Reasoning
- Neural Networks
- Databases
- Human-Computer Interaction

JetBrains Academy — Online
Java Developer, Java Backend Developer — *Sept 2021 - August 2022*

Relevant topics include:

- Object-oriented programming
- Generic programming
- Functional programming
- Spring Framework

SKILLS SUMMARY

- **Languages**: Golang, Java, JavaScript, C++, Python, SQL, HTML, CSS
- **Frameworks**: Gin, Spring, React, JUCE
- **Tools**: Kubernetes, Docker, Git, SQL
- **Platforms**: Linux, GCP, AWS
- **Soft Skills**: Deep Work, Communication, Time Management, Ownership

PROJECTS

- **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.

- **Monopoly Spin-off, 'Property Tycoon' - University Of Sussex - Software Engineering group assignment 77/100, 1st.**: Undertook a team-based coursework, which involves the production of a significant software deliverable in the form of an interactive gaming application. Gained experience working on the whole life-cycle of a software product including: requirement analysis, software architecture and design, implementation, quality assurance, maintenance activities. Further gained experience with social issues in software engineering such as team-structures and conflict management. Other issues covered include: agile software engineering methods, testing, test-driven development, coding practice and standards, design and code reviews, version control.

- **Recipes - JetBrains Academy (Java)**: Created a multi-user web service with Spring Boot that allows storing, retrieving, updating, and deleting recipes. Gained experience working with JSON, REST API, Spring Boot Security, H2 database, LocalDateTime, Project Lombok and other useful concepts for the backend.

HOBBIES AND INTERESTS

- **Lifting Weights**: Allows me to feel grounded and clear-headed. The discipline I have developed reduces perceived effort of cognitive work considerably.

- **Drums**: Taught me the value of deliberate practice. Achieved grade 8 with distinction.

- **Brazilian Jiu-Jitsu**: Gained experience becoming part of a cohesive group of people who are helping each other to better themselves.