# Ryan Arslan

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## EXPERIENCE

**Software Engineer**                                                                               Nov. 2023 – Present
*Atlassian*                                                                                                    *Perth, WA*
- Implemented the Grouping feature for Jira's list view using Java and GraphQL, enabling better issue organization for users.
- Built real-time updates for the Jira Attachments View using GraphQL Subscriptions, removing the need for manual page refreshes.
- Mentored new engineers on internal CI/CD processes and development workflows.

**Data Engineer (Contract)**                                                                      Mar. 2023 – Nov. 2023
*BHP*                                                                                                          *Perth, WA*
- Engineered and developed a serverless data backend for workforce utilisation reporting, successfully migrating legacy SSIS packages to Python on AWS Lambda.
- Owned the end-to-end development lifecycle for new data pipeline components, including technical design, automated testing, and CI/CD deployment to production.
- Identified and resolved critical performance bottlenecks in data processing logic (Python) and cloud infrastructure (Lambda), significantly optimising system efficiency.
- Contributed to process modernisation by analysing the existing system and implementing reusable, event-driven data patterns to replace legacy ETL workflows.

**Founding Engineer**                                                                             Jul. 2021 – Dec. 2022
*Usersdot*                                                                                                   *Istanbul, TR*
- Built and maintained dynamic repricing services, managing data persistence across MySQL and Elasticsearch.
- Built the entire scraping infrastructure from scratch using Python (FastAPI/Celery) and RabbitMQ, standardizing the tech stack across services.
- Engineered a custom proxy manager service with a rule engine for routing and anti-bot evasion, ensuring high-availability data retrieval.
- Mentored and provided technical guidance to a team of software engineers, facilitating their professional growth and fostering a collaborative work environment through targeted technical training sessions.

**Software Engineer**                                                                             Nov. 2019 – Dec. 2020
*Huawei*                                                                                                     *Istanbul, TR*
- Contributed to the design and development of a cloud-native system that provided customers with security dashboards that displayed relevant and timely information on security events and incidents.
- Used Spring Cloud to create scalable and resilient microservices that enabled the real-time ingestion, analysis, alerting, integration, and storage of security event data.
- Developed and executed security incident response workflows using BPMN engines, streamlining the process and improving efficiency for customers.
- Followed best practices and strategies for ensuring high quality and reliability of applications and services, such as continuous testing, monitoring, and feedback.
- Worked with leads, designers, and product managers to deliver features and functionality that improved the product value and user experience, bringing new ideas and suggestions for product improvement.

## PROJECTS

**AI-Powered Game Design Assistant** | *Python, LangGraph, Llama.cpp, pgvector*                                Ongoing
- Developing a virtual brainstorming team for game design using a multi-agent AI system with local LLMs, a RAG pipeline, and a mix of agent architectures.

## TECHNICAL SKILLS

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|---|---|
| **Languages** | Java, Python, SQL, Go |
| **Cloud & Containers** | AWS (Lambda, ECS, EKS), Terraform, Docker, Kubernetes |
| **DevOps & Databases** | Bitbucket Pipelines, Splunk, PostgreSQL, MySQL, Snowflake, Elasticsearch, Redis |
| **Backend & Messaging** | Spring Cloud, Django, FastAPI, Celery, SQLAlchemy, RabbitMQ, Kafka, GraphQL |
| **Testing & Tools** | JUnit, Mockito, unittest, Maven, Pandas, Camunda BPMN Engine |

## EDUCATION

**Celal Bayar University**                                                                               Manisa, Turkey
*Bachelor's Degree in Computer Science and Engineering*                                         *Sep. 2014 – Jun. 2019*