

Hussein Al Abry

<https://zidhuss.tech>, hussein@zidhuss.tech, +968 9198-7834

EXPERIENCE

- Lead Software Engineer* 2019 – Present
Rihal, Muscat, Oman
- Lead development for suite of software tools that use machine learning and AI to extract text from documents.
 - Full-stack development on enterprise web portals for forecasting, invoice management and document searching/scraping.
 - Maintain, manage and monitor applications on Kubernetes cluster.
 - Mentoring junior software developers.
- Logistics Automation Software Engineer* 2017 – 2019
DAI (Digital Applications International), Manchester
- Lead a team of developers to build graphical material handling equipment simulator.
 - Implemented changes to the automated test framework that enabled tests to run 150% faster.
 - Leading training sessions for new developers.

EDUCATION

- BSc Computer Science*, University of Salford, UK 2015 – 2019
- Module results:
- Linux: **100%**, Computer System Internals: **96%**,
Programming (Java): **88%**, Data Structures & Algorithms **87%**,
Database Systems: **86%**, Web Development and HCI: **83%**,
AI & Data Mining: **78.5%**
- International Summer Security Camp*, Hogeschool van Amsterdam, NL 2016
- Offensive Security, Reverse Engineering, Malware Analysis
Threat Intelligence, Digital Forensics, Exploit Development
- BSc Computer Science*, Hofstra University, NY, USA 2013 – 2014

SKILLS

Highly skilled and proficient in: Go, Python, Java, Typescript/Javascript, HTML/CSS, Git, Linux

Proficient in: C, Go, MySQL, PostgreSQL, SQLite

Previous experience: C++, PHP, Mercurial

Tools/libraries/frameworks: React, Flask, Docker, Kubernetes, nginx

PROJECTS

more projects available at <https://github.com/zidhuss>

AI Memory Tutor
Created a modern e-learning web application that aims to help user's memorize passages

of text. It uses speech-text alignment to show a cursor moving over the text in real time to help train the user. The application then records the user's voice and sends it to the Golang backend to be transcribed using real-time Automated Speech Recognition. The user's performance is reported back on the web interface written in React.

Android Password Store

Co-maintainer to the password encryption Android app with a 4.6 star rating and over 10k downloads on the Google Play Store.

TV-Football

Wrote Python API and React front-end for a web app that displays, and allows you to set reminders for, football matches that are broadcasting in the UK.

weather-system.online

Contributor to a IoT Node.js web application that displays and records live information from weather sensors connected to a Raspberry Pi. Developed in two weeks working in an Agile team following industry best practices such as SCRUM and TDD.

HarassBlock

Created the API for a google chrome extension that uses natural language processing to alert the user when they are navigating to a page that contains harassing content.

LEADERSHIP & EXTRA-CURRICULAR

Organizer of OmanGo community	2019 – Present
Member of the Manchester Go community	2016 – 2019
Awarded grant from Google to attend Goto Berlin Conference	November 2017
Vice president of Salford Computing Society	Nov 2015 – December 2016
Student Representative, Salford CSE	Oct 2015 – 2019
Team Representative, Student Athlete Advisory Committee	Sep 2013 – Sep 2014

ACHIEVEMENTS

Winner at Great Uni Hack	Nov 2016
Prize for exceptional academic achievement Salford CSSE	Sep 2016
Awarded scholarship to study at Hofstra University	Apr 2013
Placed in the top 5 in UK Schools Memory Championships	May 2010

REFERENCES

Available upon request