Faris Jalal

Computer Science graduate with experience in app development, cloud integration, and automation. Passionate about building scalable and optimised solutions, with a strong foundation in backend systems, APIs, and data-driven applications. Enjoy collaborating in agile teams and exploring new technologies to create new user experiences.

- ✉ jalal.faris@gmail.com
- in **LinkedIn Profile**
- ☎ **0422 970 323**
- 🌐 **farisjalal.me**
- ⚙ **farisjalal**

EDUCATION

University of New South Wales, Australia | August 2024

Bachelor of Science (BSc) - Computer Science

PROFESSIONAL EXPERIENCE

AI Engineer

Freelance - Experity Capital, Sydney, Australia | Apr 2025 – Present

- Developed Azure AI-based system to automate mortgage document processing, extracting and validating data, integrating with the client's CRM, streamlining workflows, reducing manual data entry, and flagging potential anomalies.

Founding Team Member and Technical Lead

Flip Flop, Sydney, Australia | Dec 2020 – Jul 2021

- Advanced to Round 2 of the Peter Farrell Cup, a UNSW startup competition, by leading a 7-person team to develop a cross-platform social media app.

Software Engineer Intern

Walkerscott Pty Ltd, Sydney, Australia | Dec 2019 – May 2020

- Improved operational efficiency for a blue-chip client by automating business process integrations through 26 Azure Logic Apps.
- Reduced manual deployment effort by designing Azure DevOps CI/CD pipelines and JSON-based deployment templates for cloud workflows.

PROJECT EXPERIENCE

Stock Data Analyser (Advanced Software Engineering Workshop - SENG3011)

University of New South Wales, Australia | Feb 2023 – May 2023

- Developed a microservices-based stock analysis platform using AWS Lambda, API Gateway, and S3, enabling real-time stock data retrieval and visualization.
- Jupyter-based frontend integrating Yahoo Finance, GuardianAPI, and New Relic for real-time stock tracking, news aggregation, and performance monitoring
- System deployed using GitHub CI/CD for automated testing and deployment.

PlusOne (Requirements and Design Workshop - SENG2021)

University of New South Wales, Australia | Feb 2022 – May 2022

- Designed and developed a one-stop event planning/booking cross-platform mobile app using Flutter, Firebase (NoSQL), and a multithreaded Flask (Python) server.
- Integrated Google Maps, OpenWeather, Yelp, Ticketmaster APIs, Uber support, and an in-app chat system for seamless coordination and planning.

Soccer Droids (Engineering Design & Innovation - ENGG1000)

University of New South Wales, Australia | Sept 2019 – Dec 2019

- Led the development of an autonomous soccer-playing robot, programming its Arduino-based control system for real-time decision-making.

COVID-Safe Smart Wristbands (IoT Experimental Design Studio - COMP6733)

University of New South Wales | May 2023 – Aug 2023

- To minimise reliance on smartphones in school settings, implemented a smart wristband-based contact tracing system, achieving accurate proximity detection using Bluetooth Low Energy (BLE), Raspberry Pi devices, AWS and DynamoDB.

TECHNICAL SKILLS

- **Programming/Scripting** - Python, C, C++, Java, Dart, Bash, Perl
- **Web/Mobile Development** - React, Node.js, Next.js, Flutter, Firebase
- **Cloud & DevOps -** Azure Logic Apps, Azure DevOps, GitHub CI/CD, Amazon Web Services (AWS)
- **Databases** - PostgreSQL, SQLite, NoSQL, Firestore
- **Embedded Systems / IoT** - Raspberry Pi, Arduino
- **Networking & Cyber Security**
- **Functional Linux knowledge**

EXTRA CURRICULARS / ACHIEVEMENTS

- **Entrepreneurs' Society of UNSW - IT Director**
  - Led a team of four in designing, prototyping, and initiating development of the Society's website
  - Established and managed Google Workspace, domain services, and Discord for effective team collaboration

- **UNSW Women In Technology - IT Subcommittee Member**
  - Team organised annual Hackathon
  - Designed, developed and maintained the club's website

- **Future of Change Scholarship**
  - Awarded to driven international students to realise their full potential at UNSW

- **Google India 'Code to Learn'**
  - Nation-wide finalist for a graphical application that models the working of optical lenses using MIT's Scratch

- **Ganga House Captain, Shrishti Schools**
  - Won House Trophy in 2018, led squadron of 100 students as Marching Commander

INTERESTS

Speedcubing, Retro Game Emulation, Hobbyist Prototyping on Microcontrollers