

# Kaamraan Kamaal



/TheSpecialist4



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[thespecialist4.github.io/](https://thespecialist4.github.io/)

## EDUCATION

### Bachelor of Engineering (Honours) - Software

The University of Queensland  
March 2015 – July 2018

### Bachelor of Engineering – Electrical & Computer

ICAS, Manipal University  
August 2012 – June 2014

### Higher Secondary Education

St. Mary's College  
June 2010 – March 2012

## UNIVERSITY COURSES

- Compilers and Interpreters
- Advanced Algorithms & Data Structures
- Distributed Computing

## AWARDS

### HealthHack Brisbane 2018 winners

- Part of the team which one the first prize for building a web app which translated signed letters of the Auslan language in real-time video.

## SKILLS

Experienced In:

- JavaScript, Java, HTML, CSS
- **Full-stack web development:** React, NodeJS, PostgreSQL,
- **Frameworks/Libraries:** Redux, Sass, Express, Flow, MercuryJS, Nightwatch
- **Tools:** Version Control (Git, Subversion)
- Microservices architecture, Agile development, Test-driven development, Amazon Web Services

Comfortable with:

- Python, C, C#,
- **Frameworks/Libraries:** Qt, Alexa Skills Kit, Webpack
- Unix Systems Programming, Microsoft Azure, Bash Shell Scripting

Familiar with:

- Scala, C++
- **Frameworks:** Android, ASP.Net Core, Flask, Unity 3D, Microsoft SQL Server, MongoDB, Spring Boot

## EMPLOYMENT HISTORY

### Software Engineer

Coviu Global Pty. Ltd.

Brisbane, QLD

July '18 – Present

- Work as a full-stack developer on a WebRTC based telehealth services platform. My work primarily involves using ReactJS and NodeJS.

### Freelance developer/ technology consultant

Nov '17 – April '18

- Provided feedback to small scale businesses on their technology implementations. Helped migrate company's setup from private servers to Amazon Web Services (EC2, Lambda, S3, API Gateway).

### Software Developer Intern

Multitech Solutions Pty. Ltd.

Brisbane, QLD

Nov '15 – Mar '16

- Worked on updating the company's ERP System from WinForms to **WPF**. Designed and developed documentation pages for the updated ERP System.

## NOTABLE PROJECTS

### Auslan Sign Translator

- Winner of HealthHack Brisbane 2018, our team built a real-time sign letter translator using the video feed captured by the browser via a regular webcam. The web interface was built in plain **JavaScript** and the model was accessed via a **Python Flask** API. (Find the source code on [github](#))

### My Choice Cricket

- An Amazon Alexa Cricket choice game based on the 'Would you rather' game format. Written using the Alexa **Java** SDK. (Find the source code on [github](#))

### Visual Programming Interface for SMILI

(university project)

- An application to generate python scripts using graphics and visuals for a medical imaging application **sMILX**. Built in **C++** using the **Qt Framework**. (Find the source code on [github](#))