

CONTACT

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EDUCATION

Software Engineering [Immersive Course]

General Assembly; December 2019 to March 2020

- 1000+ hours learning front- and back-end programming, working independently and in groups to design and build projects

Advanced Diploma of Electrical Engineering: Automation

RMIT; 2014

- GPA 3.9/4

Diploma of Electrical Engineering RMIT; 2013

Baccalaureat Professionel Electrotechnique

Lycée du Parc de Vilgénis, France; 2002

TECHNICAL SKILLS

JavaScript	C#	Ruby
ASP.NET	HTML5	CSS3
Node.JS	React	PostgreSQL
Raspberry	RESTful API	SQL
Node-Red	Git	Express.JS
Sinatra	jQuery	Jest
MQTT		

LANGUAGES

English: Fluent

French: Fluent

Portuguese: Basic

PHILIPPE TOME

Software Developer

From Electrician to Automation and Robotics Engineer to Software Developer my quest for knowledge is rarely satisfied. The more I learn about technologies the more I want to learn about technologies. I thrive for challenges and constant learning. I am passionate about technologies, digitalisation and optimisation.

PROJECTS

[Tic Tac Toe](#) | A personalised Tic Tac Toe game where the user can take a selfie to set as an avatar to play against his/her friends or choose from 9 fun preselected avatars with special sound effect associated with them.

- Utilises Video stream to take player's photo
- Created with HTML, CSS, JavaScript

[myCRM](#) | A CRM application to create service reports by Engineers for their clients. 3 roles (IT, Manager and Engineer) each with a different set of permissions to create/read/edit/delete records.

- Full CRUD application including the ability to change password
- Created with HTML, CSS, Ruby, PostgreSQL
- Encrypted user password using BCrypt

[Flash Zoo](#) | For our group project we made Flash Zoo, a Single Page learning application from English to 3 different languages using flashcards. Worked simultaneously on the same application in a group using Trello and Agile techniques to organise our work.

- RESTful API, MVC, Server-side API
- Unsplash and Yandex APIs for translations and images
- Created with Node.JS, HTML, CSS, Express.JS, PostgreSQL, Axios, Express

[Smart-Home-Hub](#) | Fully open-source and privacy-friendly Home Automation Hub project to control and program everything possible in the home from one central place without having to use any third party or cloud services. [Youtube demonstration here.](#)

It allows the user to switch ON/OFF lights, control house temperature, switch off all lights automatically when no one is home, activate a security camera which takes photos automatically when someone approaches less than 10 cm from the front door and send it to your email address, and has a smart lock that unlocks automatically when any of your electronic devices are within range of the Bluetooth or the Wi-Fi network.

- Hardware used: Raspberry Pi 3b+, Pi camera V2, ESP8266 Wi-Fi relays, ultrasonic sensor HC-SR04, temperature and humidity sensor DHT-11, Raspberry Pi 7" touchscreen, RGB LEDs, blue and red LEDs, hole breadboard, RPI GPIO extension board, jumper wires
- Software/Technology used: Debian, Node.JS, Node-Red, MQTT, Mosquitto, Bluetooth, Email, Tasmota, Wi-Fi

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WORK EXPERIENCE SKILLS

A Grade Electrical Licence	
PLC	Ladder Logic
Structured Text	Statement List
HMI	SCADA
Robot: Kuka, ABB	VSD
FAT	SAT
Troubleshooting	Technical Support

HOBBIES

Brazilian Jiu-Jitsu
Literature

PHILIPPE TOME

Software Developer

📁 WORK EXPERIENCE

Service Engineer | Scott Automation & Robotics

Aug 2018 – Present

Successfully upgraded an old fully automated rock laboratory in a gold mine in WA. The task was to bring down the contamination level from 30 ppm to below 5 ppm all while not losing any speed performance. Liaised with Engineers all across Australia and New Zealand to redesign some parts of the machine, the flow of events and re-write a large part of the program. The limited shut-down time of only 2 weeks meant everything had to be designed, manufactured, tested and shipped before this. The project was a huge success, completed with a result of 99% of samples below 3 ppm and lead to a new multi-million dollar contract signed by the client.

Control System Automation Technician | Sage Automation

Jan 2016 – Aug 2018

Volunteered to commission a fully automated Sodium Cyanide sparge system in Ivory Coast which quickly became the hardest and most challenging project ever undertaken in my career as I managed a team of underqualified people in a very difficult situation. Internally I was dealing with cross-cultural communication issues and learning on my feet. I became an agile leader, comfortable with ambiguity and flexible and adaptive. Motivating a team who were hostile to change to do night shifts, and ultimately delivering the project only 2 days past the deadline.

Service Technician | Aggreko Power Generator

Sept 2011 – Jan 2016

Lead and delivered many small to medium projects all across Australia on very tight deadlines multiple times. I learnt that autonomy in my work and an employer who values and entrusts me to complete tasks is essential to my performance and happiness at work.