

TIAGO EIDI HATTA

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PROFILE

I am a Software Engineer born and raised in Brazil, but I have been living in Gothenburg since May 2022. Most of my experience has been focused on Android Embedded devices for consumer electronics and automotive industries. I love learning new topics and even though my main interests are related to Embedded Systems, I am also open-minded about other stacks. I also consider myself a team player, who is motivated by helping my coworkers and developing great products for people. Currently, I am a Software Consultant looking for a new challenge in Sweden.

EDUCATION

University of Campinas (UNICAMP)

Mar/2014 - Dec/2018

Bachelor in Computer Engineering

Emphasis on Industrial Systems and Processes

SKILLS

Programming Languages

C/C++, Java, Python, Bash

Softwares & Tools

ADB/Fastboot, Jira, Jenkins, Gerrit, GIT, Wireshark

LANGUAGES

Portuguese

Native

English

Fluent

Swedish

Beginner Level

EXPERIENCE

Software Engineer Consultant

May/2022 - November/2022

Volvo Cars (Consultant by Sebratec AB Gothenburg)

Gothenburg/Sweden

- Development and troubleshooting of C++ code for software download and Over-The-Air upgrades to Volvo infotainment systems.
- Development of automated test cases using Behave and Pytest frameworks for Continuous Integration and Delivery.
- Planning and continuous improvement based on SCRUM and SAFe agile methodologies.
- UDS basic protocol analysis for bug fixing.

Software Engineer

Aug/2018 - April/2022

Eldorado Research Institute

Campinas/Brazil

- Responsible for developing, integrating, and debugging (C++ and Java) code related to Wi-Fi (802.11), Bluetooth, Multimedia Audio, and Location Based Systems on Motorola Android smartphones.

- Experience with AOSP Architecture on its different layers (System apps, Framework, HAL, Driver) and wireless protocols, especially Bluetooth BR/EDR/LE.
- Lead of a documentation project development given the team workflow based on Agile methodology.
- Work directly with OEM (Qualcomm and Google) and the Quality Assurance team for Android upgrades.
- Bluetooth stack customization of Android Automotive OS on Raspberry Pi 4 boards in order to emulate car stereo systems.

Research & Development SSW Intern

Motorola Mobility

Jan/2018 - July/2018

Jaguariúna/Brazil

- Analysis of failures and adaptation of Software for the Android platform in the area of WiSL (Wireless Connectivity, Internet of Things, Sensors and Location) using Java and C++.
- Development and delivery of software versions on different devices, according to schedule and deadlines
- Usage of tools for debugging of Wi-Fi issues, such as Sniffer equipment and Wireshark
- Basic tests in the area of connectivity, NFC and sensors for new updates of Motorola products.

PROJECTS

IoT Device for Smart Battery Collection

Institute of Computing - UNICAMP

Aug/2017 - Jul/2018

Advisor: Professor Juliana Freitag Borin

- Internet of Things prototype developed using NodeMCU platform, MQTT protocol and web design (HTML, CSS, Javascript, Framework Django (Python)).
- Project part of UNICAMP's Smart Campus program, assisted by the University Administrative Office, Konker Labs and LMCAD (Multidisciplinary High-Performance Computing Lab).

CERTIFICATES

Embedded Android Training

Embedded Labworks

July 2018

- Understanding of the Android internals and its native, framework, and application layers.
- Tools and resources available for debugging.

Training in Linux Device Drivers

Embedded Labworks

April 2019

- Introduction to the general architecture of the Linux kernel.

INTERESTS

- Travelling
- Learning Languages
- Gym
- Guitar
- Volunteering
- Animal Welfare
- Robotics and IoT