EMANUEL ANGELIM

✉ emanuel.tiec@gmail.com | 🔗 emanuel36 | 📞 +55 92 98511-5399 | 📍 Manaus, Brazil

PROFESSIONAL PROFILE

I am a 26 years old engineer with more than 3 years of experience, who like working with embedded systems, specially in communication protocols. I've been working in global software development teams using agile methodologies, shipping many products with high sales statistics and worldwide reach, directly impacting up to 100 million end users.

EXPERIENCE

SiDi - Allocated to Samsung
Embedded Security Engineer

Oct 2022 - Present
Manaus, Brazil

- Technical reference of Samsung Brazil security team, responsible for coordinating the team effort in the tasks;
- Provided technical leadership during the bring up process of very new resource Android Virtualization Framework (AVF), defining priorities and supporting less experienced engineers in their tasks;
- Served as the primary point of contact between Samsung Global and Google's virtualization team during the AVF bring up for S23 and S24 smartphones;
- Designed a shell script to automate the process of build flashing and set Smartphone settings to prepare it for testing procedures, replacing the manual process that resulted in significant time savings for the entire team;
- Implemented debug features for secure applications running on ARM Trusted Execution Environment.

Skills: *Android Virtualization Framework, Trusted Execution Environment, Snapdragon chipsets, and scripting.*

Instituto de Pesquisas Eldorado - Allocated to Motorola
Embedded Software Engineer

Jun/2020 - Oct/2022
Manaus, Brazil

- Worked on Android OS bring-up and stabilization focused on Wi-Fi and GPS;
- Provided technical leadership for the Brazil GPS team in several shipped mobile devices;
- Maintained Wi-Fi and GPS core functions during software upgrades, working across C/C++ HAL/kernel/drivers layers up to the Java framework layer;
- Solved several Wi-Fi issues, focused mostly on data throughput, by handling TCP and RF parameters;
- Supported the software bring-up and integration of hardware solutions from multiple third-party chipset vendors, requesting and integrating software changes focused on bug fix.

Skills: *Software versioning, Bug Analyses, Wi-Fi, GPS, Bluetooth, Qualcomm WCN SoCs, iPerf and Wireshark.*

EDUCATION

Universidade Federal do Ceará

Mar/2015 - Dez/2019

Bachelor's degree in Computer Engineering
Thesis: A low cost and low power LoRa device sensor-node for field applications 🔗

COMPLEMENTARY TRAINING

Wi-Fi foundations	Python Scripting	Embedded Android	Secure Coding	Advanced English
How Wireless Works	Coursera	Embedded Labworks	Coursera	EF English Live
Date: Jul/2020	Date: Apr/2023	Date: Dez/2021	Date: Nov/2022	Date: Jun/2019
Course load: 40h	Course load: 120h	Course load: 24h	Course load: 20h	Course load: 164h

PERSONAL PROFILE

I would describe myself as a friendly, calm and strategist person, also, I like to receive feedback and suggestions. I am a big sports fan, usually, I spend my after work time watching or playing sports, mostly football, running and gym. One of my personal goals is to visit countries around the world to know new cultures, foods and enjoy traveling experiences.