

Fellipy Costa

OTA Testing and Integration Engineer

Los Angeles, CA – costafellipy@gmail.com – (720) 532-7711 – fellipycosta.com

PROFESSIONAL EXPERIENCE

Gemmacon (For Porsche) – Carson, CA

OTA Test and Integration Engineer | 2023 – 2024

- Collaborated with Porsche's hardware engineers, software developers, UX/UI, and cybersecurity stakeholders to ensure secure and seamless integration of wireless software updates
- Conducted hands-on testing of new features, requirement implementations, and bug fixes, including validation of secure over-the-air update mechanisms
- Improved OTA test coverage and security validation by identifying data packet integrity issues across multiple ECUs
- Supported compliance with industry cybersecurity standards such as ISO/SAE 21434
- Organized vehicle live testing and integration plans while maintaining awareness of potential cybersecurity vulnerabilities and system dependencies for all Porsche's vehicles

Fisker Inc. – San Francisco, CA

OTA Engineer | 2022 – 2023

- Executed comprehensive Over-the-Air validation campaigns ensuring secure software deployment across multiple vehicle ECUs and domains
- Conducted data validation and privacy compliance checks to ensure secure user interactions and adherence to Google security guidelines
- Collaborated with backend and network teams to test encryption, authentication, and rollback protection mechanisms
- Analyzed system and vehicle logs to detect anomalies, contributing to enhanced reliability and secure OTA performance

Accenture (For Google) – Mountain View, CA

Quality Assurance Engineer | 2020 – 2022

- Conducted functional and regression software testing on Android Automotive systems, Google Home, and Bard/Gemini AI Assistant
- Conducted functional and regression testing on Android Automotive systems, validating connectivity, user data handling, and app security compliance.
- Supported quality improvement initiatives and regression test automation within Agile development cycles

TESLA INC. – Fremont, CA

Data Annotation Specialist | 2018 – 2020

- Supported development of the Full-Self Drive Autopilot and perception systems through precise labeling and verification of visual and sensor datasets
- Ensured data accuracy, consistency, and compliance with security and confidentiality protocols
- Worked closely with engineering teams to enhance model training data quality, improving system detection and reliability

SKILLS

Testing & Tools: OTA Testing, ECU Validation, Functional & Regression Testing, Test Planning, Jira, Confluence

Cybersecurity Awareness: Secure OTA Validation, Authentication Testing, Data Integrity, ISO/SAE 21434 Familiarity

Software & Systems: CANoe, CANalyzer, Wireshark, Android, Python (basic scripting), Linux

Collaboration: Agile/Scrum, Cross-functional Engineering, Documentation & Reporting

EDUCATION & CERTIFICATIONS

Industrial Design, Bachelor of Science

San Francisco State University – San Francisco, CA

ISTQB Foundation Level, Certificate

CompTIA Security+, (in progress)