Maxwell Volz

Software engineer with 10+ years of experience developing complex, cross platform solutions. Currently creating robust test procedures to verify integrity of state-of-the-art wireless systems.

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EXPERIENCE

L&T at Meta, Menlo Park— *Principal Engineer*

SEPT 2019 - Present

Software Lead for Device Verification Testing of Terragraph, Facebook's 60 GHz, multi-node wireless system. Created comprehensive test procedures and runbooks to enable manufacturers' Device Verification Tests. Characterized wireless performance, system level debugging, and triage of firmware root causes. Spearheaded integration of Oculus' Station Executive automation framework for Facebook's Terragraph project. Worked closely with Facebook's RF engineers to enable beamforming measurements and analysis.

Esencia Tech at Facebook, Menlo Park— *Full Stack Developer*

JUNE 2018 - SEPT 2019

Delivered real-time monitoring solutions and control panel applications with graphical user interfaces and statistics for 802.11ad network for the Facebook Tarazed project. Concluding with a successful on-site demonstration of a live system with ground to drone radio connection(26GHz and 38GHz) in Oudtshoorn, South Africa. Proved wireless communication data transfer at MCS12 with streaming video over radio link using IPv6 protocol.

Delta Dental, San Francisco— *Web Producer*

APRIL 2017 - MARCH 2018

Developed and maintained client-facing websites and employee portals for multiple high profile clientele.

Advisor Software, Walnut Creek— *Software Engineer*

JUNE 2015 - NOVEMBER 2016

Developed financial planning applications across multiple platforms and services utilizing the latest methodologies of the Agile work process.

Apollo Group, San Francisco— *Digital Media Analyst*

OCTOBER 2012 - AUGUST 2013

Researched new affiliate media partners and maintained the Apollo Ethics and Compliance database.

SKILLS

Python, System Automation, Data Analysis, System Integration and Testing, Data Structures, Networking, 802.1x, ReactJS, Javascript, NodeJS, Time Series Databases, D3js, SQL, NoSQL, Git, Angular, HTML5, CSS3, AWS(S3, EC2, Route53, IAM)

Accolades

Developed and led Device Verification Test training of manufacturer Accton in Taipei, Taiwan

Application featured in articles on *Bloomberg* and *BusinessWire* including a live demonstration in Oudtshoorn, South Africa

Won Versal Educations' 24-hour Hackathon by creating a stack-based learning application