MICHAEL MINER

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OBJECTIVE: Results-oriented and strategically-resourceful system/product engineer that strives in fast-paced environments, yearning to deliver impactful, customer-facing products and continue life-long learning.

PROFESSIONAL EXPERIENCE

Toyota Motors North America – Plano, TX

Sr. Technical Product Owner, R&D March 2024 – Current

- Managed end-to-end product lifecycle using Agile to define a product roadmap, through sprints and successfully launched a new multimedia platform for both Toyota and Lexus vehicles between 2026 and 2030.
- Lead product development team by delegating work UX designers, developers, testers, to ensure innovative multimedia features and collaborating with cross-functional teams utilizing VOC data and analytics.
- Create and present report outs to all stakeholders including upper management and executives - weekly basis.
- Engage in cutting-edge research including market analysis and competitor benchmarking analysis.

Design and Architecture Engineer, R&D September 2021 – March 2024

- Design and create technical specifications for vehicle multimedia systems including schematics and sequence diagrams to define function, performance requirements, HMI requirements, and build quality.
- Collaborate with Tier1/2 suppliers to confirm development, milestones, and perform root cause analysis on issues.
- Prototype testing via bench testing and in-vehicle to validate specs and ensure hardware complies with regulation, safety, and certification standards. Provide automation scripts to streamline software updates.
- Cross-functional team collaboration between North American regions, Europe, Australia, and Japan.

Collins Aerospace (RTX) – Carrollton, TX

Project Engineering Lead (Systems Engineer) September 2017 – September 2021

- Design customized security systems for nuclear power plants and ISFSI sites for physical, network, and cyber security.
- Provide software updates, HW and SW integration, cyber patches, network configuration throughout project lifecycle.
- Perform field support, issue tracking, configuration management, and automation testing/scripting.
- Present to stakeholders and management, while teaming up with developers, testers, tech writers and CM through product development lifecycle using Agile methodology.

Doosan HF Controls Corp. – Carrollton, TX

Verification and Validation Engineer January 2017 – September 2017

- Assist R&D team to track product development of FPGA boards for both nuclear and non-nuclear solutions.
- Provide support to development in order to perform testing and root-cause analysis against requirements.
- Output technical proprietary documentation and drawings for boards to customers.

Los Alamos National Laboratory – UTD & Los Alamos, NM

Engineering Team Lead (Senior Design) August 2016 – May 2017

- Awarded 1st place at UT Design Expo out of 45 engineering teams.
- Gather information from LANL to develop a product that will resolve their radiation contamination problem.
- Developed a drone to autonomously capture radiation data in real-time, addressing radiation contamination issues.
- Conducted extensive stress testing and iterative redesigns, producing deliverables and presenting findings to stakeholders at LANL.

TECHNICAL SKILLS

Engineering Skills:

- Software: GIT/BitBucket, JIRA/Confluence, StarTeam, Rally, SourceTree, VMWare, vSphere, Eclipse, MS Visual Studio, Android Studio, MATLAB, MS Office, Figma
- Programming: Python, PowerShell, Java, JavaScript, C, C++, C#, .NET, HTML5, CSS3, Verilog
- Hardware: Arduino, Energia, PSpice, LabView, Xilinx, AutoCAD, Eagle PCB
- Database: Oracle, SQL Server, SQLite, MS Access
- Platforms: Windows, Windows Server, Linux

Certifications: Prof. Scrum Product Owner I (PSPO1), CompTIA Security Cloud+, Qognify, EverRun
Trilingual: English(fluent), Vietnamese(native), Spanish(fluent)

EDUCATION

University of Texas at Dallas Richardson, TX
Bachelor of Science in Computer Engineering Graduated: May 2017