Justin Elliott  
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SUMMARY

Technical Project Manager with cumulative experience of 10 years in embedded software development and project management within high compliance domains (DoD and FDA). Successfully led teams of 15+ engineers from requirements through delivery of $13+ million projects. Seek opportunities to increase department and site efficiency through process optimization and team management.

PROFESSIONAL EXPERIENCE

**2015 – Present****Flex Dallas, Tx***Technical Project Manager 2019 - Present*

* Lead multinational and cross-functional teams of 15 to deliver Class II medical devices.
* Advise external executive stakeholders on reducing program risks related to the integration of Flex deliverables and FDA submission of the final product.
* Delivered multiple design iterations within planned 36-month schedule and under $13m budget.
* Implemented cross-functional workflows using Python, MS Project, and Jira to standardize and automate status updates, saving up to ~$700k within the first year by reducing the average engineering overhead time by ~10% (~4 hours) weekly.
* Reduced deliverable defect rate by ~30% and mitigated major risk by implementing an automated target hardware regression test framework and test-driven development strategy.
* Improved customer satisfaction score by ~30% within a year leading to an additional $1m in new business
* Support drafting $40m+ proposals entailing full product development lifecycle and all major engineering disciplines

*Embedded Software Lead 2015 - 2019*

* Designed an embedded real-time, multi-core, low-power SW architecture utilizing multitask RTOS environments and OTS software to perform drug delivery with >99% accuracy and <10mA sleep current.
* Led all sprint planning, sprint retrospectives, and daily scrums within software team
* Mentored at least 3 engineers in development of I2C, UART, SPI, and other drivers for components such as encoders, motor controller, and processor to processor communication.
* Designed embedded asynchronous GUI architecture with multi-language and multi-window support.
* Designed full stack Ethereum block chain solution for a health service IoT prototype.

**2017 – 2019****Ignite Art Collective Dallas, Tx***Owner/Partner*

* Bootstrapped this event planning company to a $10k monthly revenue within 1 year and partnered with a leading Dallas venue.
* Organized and coordinated monthly multi-stage events with 3-month lead time in preparation of 75+ individual contributors and 500+ attendees.

**2011 – 2015****Raytheon****Dallas, Tx***Embedded Software Engineer*

* Achieved SME status for three separate subsystems: built-in testing, fault logging, and motor controllers.
* Championed use of Agile methodologies; continuous integration and test-driven-development of a 20-year-old product line.

EDUCATION

**University of Texas at Dallas**

*Master of Science in Systems Engineering and Management 2017*

*Bachelor of Science in Computer Engineering 2010*

SKILLS

C/C++, Python 3.x, Solidity, Jira, MS Project, Schedule/Budget/Risk Management, IEC 62304, IEC 60601