Jake O'Donnell

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Experienced engineering professional transitioning from mechanical to software engineering, with over 9 years of experience in product lifecycle management, quality assurance, manufacturing, and client relations. Proficient in a variety of programming languages and frameworks, including Python, JavaScript, React, and Node.js. Demonstrated ability to bridge technical and operational domains, ensuring seamless project executions and innovations. Adapted to startup environments where wearing multiple hats is essential, enhancing agility and problem-solving skills in dynamic settings. Committed to leveraging a strong foundation in full stack development to drive success in software engineering roles.

Technical Skills

Programming Languages: Python, JavaScript**,** TypeScript
Other Languages: HTML (with CSS), SQL
Frameworks & Libraries: Flask, React, Express, Node, and Jest
Industry Tools: PostgreSQL, MySQL, Git, GitHub, REST APIs
Mechanical Engineering: CAD (SolidWorks, AutoCAD), FEA, DFMEA, PFMEA, Lean Manufacturing, Six Sigma

Professional Experience

Sr. Supplier Quality Engineer | Feb. '22 – Current
Fictiv | Minneapolis, MN (Remote)
- Manage 30+ manufacturing partners to enhance delivery metrics by 10% through strategic engagement
- Streamline corrective action processes, increasing response rates by 20%
- Lead weekly cross-functional meetings to address customer failures, significantly raising satisfaction for strategic accounts

Springboard Software Engineering Trainee | Sep. '23 – Sep. '24
- Completing 800+ hours of hands-on coursework, with 1:1 expert mentor oversight, and completion of the following projects.
- Capstone Project - **TDEE Tracker App**
  - Developed a web application to calculate and track Total Daily Energy Expenditure (TDEE)
  - Utilized React.js for the frontend, Node.js and Express for the backend, and PostgreSQL for database management. Implemented JWT for secure user authentication and data protection.
  - Enabled users to log data over time and visualize metrics through interactive charts, enhancing user engagement and providing actionable health insights.

Quality Engineer | Feb. '21 - Feb. '22
Hydro Flask | Bend, OR (Remote)
- Implemented advanced data analysis techniques, resulting in a 15% improvement in product quality.
- Supervised the engineering aspects of product launches across high volume manufacturing and assembly processes, ensuring adherence to timelines and quality standards, leading to a 10% reduction in post-market customer complaints
- Prevented potential losses of over $30 million by identifying and resolving a critical manufacturing defect before market release

Supplier Quality Engineer | Feb. '18 - Feb. '21
Harry's Inc. | New York City, NY
- Spearheaded the quality assurance for new product introductions, implementing stringent quality controls that resulted in zero post-launch recalls
- Led continuous improvement projects, saving over $1 million annually.
- Developed a system to track and reduce customer complaints and high PPM issues resulting in improved customer satisfaction

Product Development Engineer | Nov. '15 - Jan. '18
Boombah | St Louis, MO
- Managed multiple product development projects from concept to market, ensuring compliance with industry standards and market readiness
- Initiated and oversaw a quality assurance program that allowed for the expansion into new product categories while maintaining safety and performance standards

Design Engineer | Jan. '15 - Nov. '15
Percival Scientific | Des Moines, IA

Education/Certifications

B.S. Mechanical Engineering, Iowa State University
Software Engineering Certification, Springboard , 2024
Certified Supplier Quality Professional, ASQ, 2024