BREANA C. MYRTIL

SOFTWARE ENGINEER

CONTACT

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📍 Hendersonville, TN

PROFILE

As a developer and project manager with a strong engineering background, my track record demonstrates that I am a reliable and results-driven individual who excels at driving efficiency, productivity, and continuous improvement. I am eager to apply my skills and expertise to the tech industry and am an innovative problem solver who is always ready to take on new projects and challenges. My exceptional analytical abilities, commitment to hard work, and ability to adapt to changing environments and priorities make me a valuable asset to any team or project.

CERTIFICATIONS

Six Sigma Black Belt Certification
SixSigma.us
Certificate No: 0020201211-29498
2021

EDUCATION

M.S. Chemical Engineering
The University of TN at Chattanooga
2015 - 2018

B.S. Materials Science and Engineering
The University of TN at Knoxville
2008 - 2013

WORK EXPERIENCE

Software Engineer

Full Stack N-Site   *September 2021 - Current*

- Managed Agile development team for on-time, high-quality software delivery
- Designed web apps with HTML, CSS, JS, jQuery, Bootstrap, Node, React, Next.JS, MongoDB, PostgreSQL, Python, Django
- Employed Docker for scalable, efficient app containerization
- Built RESTful APIs using Django Rest Framework for enhanced functionality
- Established CICD automation for error reduction and faster deployment
- Deployed web app on AWS for improved availability and reliability
- Led end-to-end project from concept to MVP with cross-functional collaboration

Continuous Improvement Engineer and Six Sigma Leader

Steward Advanced Materials   *September 2020 - September 2021*

- Analyzed production data for waste reduction, improved efficiency, and cost savings.
- Led Lean Manufacturing initiatives for enhanced operations, product quality, and profitability.
- Managed continuous improvement projects and assessed capital projects for process enhancements and cost justification.

Plant Manager

Steward Advanced Materials   *July 2019 - September 2020*

- Improved production methods, procedures, and working conditions through policy implementation
- Collaborated with EH&S consultants to ensure implementation of comprehensive team member safety training programs.
- Proactively maintained optimal levels of raw materials to support uninterrupted production
- Created and managed FGT and Production Schedules by analyzing sales orders, materials and supplies inventory levels, equipment PM schedules, and R&D equipment requirements.
- Ensured operators were well-versed in production techniques, safety protocols, and equipment operation, thereby fostering operator safety and boosting overall productivity and product quality.
- Directed weekly inspections, inventory management, and proper disposal of hazardous waste, maintaining a safe and environmentally responsible workplace.
- Played a pivotal role in implementing and managing a new barcode inventory management system.
- Developed informative training presentations for personnel covering product lines, operational procedures, and effective inventory management strategies

Process Engineer II

Steward Advanced Materials   *November 2014 - July 2019*

- Collaborated with cross-functional teams to enhance equipment and process efficiency.
- Scaled up processes from lab to high-volume production with R&D Engineers and customers.
- Designed plant layouts with maintenance supervisors to reduce downtime and improve efficiency.
- Assisted the automation technician in developing control logic for complex operations.
- Implemented process mapping for manufacturing and R&D lines.
- Led Failure Mode and Effects Analysis to prevent production line shutdowns.

Process and Development Engineering Technician

Steward Advanced Materials   *May 2014 - November 2014*

- Collaborated with R&D, Process, and Project Engineers to develop and scale up a chemical surface coating product line.
- Assisted the Senior Process and Development Engineer in conducting DOE projects for customers aiming to scale up development lines.
- Conducted wastewater treatment studies for the plant's wastewater facility.

SKILLS

Project Management	HTML, CSS, jQuery/Javascript
Operations Planning and Logistics	Python, Django
KPI/KPOV Tracking	Docker Containerization, PostgreSQL
Continuous Improvement Methodologies	Git, CICD Process Implementation