Zachary Linkletter

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Education

University of Maine Orono, ME
Bachelor of Science, Computer Engineering Graduated May 2020
Bachelor of Science, Electrical Engineering GPA: 3.58

Technical Skills

Languages: C/C++, JavaScript, Python, MATLAB, ARM Assembly, Rust, SQL, LaTeX
Frameworks: React, Gatsby, Next
DevOps / Automation: Docker, Podman, Kubernetes, Ansible, Terraform
AWS Certifications: Certified Cloud Practitioner, Developer, SysOps Administrator, Solutions Architect

Work Experience

General Electric Gas Power (GE Power) *July 2022 – Present*
Senior Technical Product Manager Bangor, ME
- Own, develop, and expand digital Andon platform Lean Production Manager (LPM), an application that manages product manufacturing process defects with Lean methodology, to GE Gas Power factory floors by working with operators to customize and troubleshoot solutions based on customer need
- Partner with operators and site operations teams to identify shopfloor digitization opportunities and develop Operational Technology (OT) products that reduce cost of poor quality, increase on-time delivery, and modernize manufacturing processes

Digital Technology Leadership Program *July 2020 – July 2022*
2 Year Rotational Program – 6 Month Rotations Bangor, ME

Technical Project Manager
- Developed a uniform solution for condition-based maintenance through machine monitoring and lead rollout to global factories, leveraging OT, cloud-native, and Internet of Things (IoT) best practices
- Deployed digital Andon platform LPM to Bangor, ME site and develop Ansible automation for application updates

Aero DT Analyst - Managed Care
- Performed gap-fit analysis of existing CRM processes vs. SFDC CRM solutions and acted as project manager for rollout of automations between Aero Alliance Joint Venture ERPs and Gas Power systems
- Migrated 200+ commercial documents for 300+ downstream users to content management platform, Seismic, to support Gas Power Aeroderivatives New Unit growth of $1.2B+

Digital Engineer
- Piloted a scalable FreeRTOS IoT microcontroller standard to create machine data ingestion pipeline compatible with AWS Lookout for Equipment, AWS Timestream, and Vimana
- Automated condition based maintenance through Vimana and Maximo to generate preventative workorders based on machine usage, saving over $800k annually on materials, labor, and lost production

Data Analyst
- Created robust visualizations using SQL and Tableau to drive competitive intelligence and predictive insights on installed base and Salesforce data for product management teams to consume to improve GE Gas Power's order win rates by 4%

Internships *June 2019 – August 2019*
Lead Mobile Developer Schenectady, NY
- Systemized internal GE document management by developing a responsive web application that creates, sends, stores, and archives contractual documentation and correspondence for field personnel through their mobile devices

July 2018 - March 2019; December 2019 – June 2020
Fullstack Engineer Bangor, ME
- Generated at-a-glance digital signage web applications for operation leaders and shop floor machinists that relay critical manufacturing data and quality metrics

University of Maine *August 2017 - May 2020*
Teaching and Research Assistant: College of Electrical and Computer Engineering Orono, ME
- Programed ATXMega, STM32L4 boards with C and ARM assembly
- Translated Arudino C code to STM32 C code for radar devices that determine wild beehive health