MATTHEW JONES

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SOFTWARE ENGINEER

APPLICATIONS ● FULL STACK ● TESTING

Software Engineer with one year of experience spanning application planning, back end, front end, testing, and technician training for an industry leading engineering firm. Solid record of continuous improvement, support, and testing to drive first-class system performance, quality, and reliability. Broad knowledge of software development and testing.

CORE COMPETENCIES

Object-Oriented & Procedural Coding	Cross-Functional Collaboration	Database Interaction
User Orientation	Continuous Process Improvement	Scripting
Data Structures & Algorithms	Continuous Integration | Delivery	Web Design
Customer Training | Service | Support	Agile Methodologies	API Interaction
Requirements Definition & Analysis	Testing Methodologies	Space | Time Complexity
Complex Project Management	Product Engineering | Design	Applied Statistics

✓ **Record of enhancing operations and efficiency** of software from user-interface to bit-processing, allowing efficient and secure operations without compromising high-quality and customer requirements.
✓ **Consistently demonstrate customer-focus** by integrating requested features and functionality to address issues and preferences.
✓ **Regularly drive continuous improvement** through refactoring and testing to confirm progress and deny regression.

TECHNICAL PROFICIENCIES

C# ● Java ● Javascript ● SQL ● C++ ● HTML/CSS ● C ● Assembly Language ● Testing and Validation / Moq ● ReST API ● **.**Net ● Visual Studio ● Eclipse ● SQL Server Management Studio ● Postman ● GitHub / Git

PROFESSIONAL EXPERIENCE

WINDURANCE LLC. – Coraopolis, PA – 2020 to Current
SOFTWARE ENGINEER – Desktop Applications

Designing, programming, testing, and debugging interface between Windows and C# and custom 4-Byte instructions through Serial Ports to enable communication with the Capacitor Charging Units (CCUs) for system diagnostics and maintenance inside of wind turbines throughout the U.S.A. Handling collaboration, distribution, and updates through Git / Github.

Creating and Satisfying requirements from user stories such as: individual user settings, CCU model detection, test signal fault avoidance, and displaying collected data for multiple capacitors in real-time line graph.

Key Accomplishments:
- Having next to no documentation, ran multi-day brute-force tests to ascertain possible messages, their meanings, and possible second responses. Implemented custom start points and periodic saving in case of interruption, also sorted out false positives.
- Worked with the Electrical Engineering and Technician Teams to meet strict deadlines, even with days' notice due to unforeseen circumstances on site

EDUCATION & CREDENTIALS

Bachelor of Science in Computer Science – 2022 (projected)
UNIVERSITY OF PITTSBURGH, PITTSBURGH, PA

Agile Software Development – 2021
EDX, ETH ZURICH