

# JOHN BREA MCWHIRTER

Dallas, TX · <https://johnbreamcwhirter.com>

## FULL STACK SOFTWARE ENGINEER

### CERTIFICATIONS

Engineer In Training (EIT) – ID: 81675

Issued Jun 2024

### EDUCATION

Bachelor of Science in Computer and Electrical Engineering · Texas A&M University · 2023

### SKILLS

TypeScript – JavaScript – HTML – CSS – Java – Python  
PHP – C# – C – C++ – React.JS – Material UI – NextJS  
Storybook – OAuth – NodeJS – REST API – Docker – AWS  
Firebase – MySQL – NoSQL – ORM – ERM – OOP – Jest  
Unit Testing – Splunk – iText PDF Stamping – Jira – JQL  
SDLC – CI/CD – Git – GitLab – Linux – Bash – Kubernetes  
JetBrains – VSCode – NPM – Vivado – PCB Design  
Circuit Analysis – SPI – UART – GPIB – AI/ML

### PROJECTS

**Mondrian-UI:** A Modern Abstract React TypeScript UI Library designed for simplistic aesthetic user interfaces.  
<https://github.com/JohnMcWhirter10/mondrian-ui>

**Spotify-To-YouTube-Music:** A simple python script to move music from the Spotify Platform to Youtube Music.  
<https://github.com/JohnMcWhirter10/spotify-to-youtube-music>

### PROFESSIONAL EXPERIENCE

*Full Stack Software Developer (2 years)*

**PAYCOM PAYROLL, LLC** · Irving, TX

June 2023 – October 2024

Engineered high-quality, reusable code to build and optimize dynamic user interfaces for various platforms, supporting Paycom's Human Capital Management (HCM) solutions.  
Delivered and enhanced core modules in Position Management, Documents, Checklists, I-9, and E-Verify to drive productivity and adaptability across industries.  
Customized development to meet client-specific requirements, including Electronic Data Interchange (EDI) integrations, enabling product scalability for diverse applications.  
Collaborated closely with multi-disciplinary teams, including quality assurance and application support, to ensure robust and effective deployments, often utilizing Pair and Mob Programming practices.  
Leveraged project management, issue tracking, and version control tools to enhance team productivity and maintain clear communication across project stages.  
Actively participated in Agile-driven development cycles with daily stand-ups, achieving rapid iteration and continuous delivery in a fast-paced environment.

*Applications Engineering Intern (1 year)*

**TEXAS INSTRUMENTS, INC.** · Richardson, TX

May 2022 – August 2022

Partnered with cross-functional teams (design, marketing, product definition) to contribute to successful product launches, aligning technical development with user needs.  
Provided critical technical support by reviewing customer designs, debugging, and implementing solutions to enhance customer satisfaction and product reliability.  
Conducted customer seminars and distributor training, deepening product knowledge and improving troubleshooting techniques.  
Developed hands-on proficiency with digital and analog components, sharpening technical skills in schematic layouts, circuit analysis, and diagnostic tools.  
Applied programming expertise in C/C++ and LabView to support applications development, demonstrating flexibility and problem-solving in dynamic engineering settings.