Justin Luft

j.n.luft@icloud.com | LinkedIn | GitHub | Website

WORK EXPERIENCE

MPS Digitalization |TypeScript, SQL, DAX, PowerBI, Agile Process   **Aug 2025– Present**
Mercedes-Benz   Charleston, South Carolina

- Engineered software solutions that optimized plant workflows using lean principles.
- Built interactive Power BI dashboards with TypeScript visuals, version-controlled via GitHub.
- Collaborated on SQL-based data models and reporting workflows to support data visualization and tracking.

Software Developer | C#, Unity, ffmpeg   **Jan 2025 – May 2025**
College of Charleston   Charleston, South Carolina

- Developed a Raspberry Pi based photo booth with low-level hardware control and procedural code.
- Led sprint planning and execution in a 5-sprint Scrum cycle, delivering a reliable, production-ready system.
- Deployed and optimized the system, documenting architecture for long-term maintainability.

PROJECTS

BuildCarolina Graduate Showcase |TypeScript, HTML, CSS, Vite, Cloud Deployment, Firebase   **July 2025**

- 2nd place winner at CharlestonHacks Hackathon for building a responsive, full-stack portfolio platform.
- Designed a sleek, searchable portfolio platform to spotlight software engineering graduates:
- Developed a responsive UI with Vite, TypeScript, and Tailwind CSS using modular components.
- Integrated Firebase for real-time sync, authentication, and cloud-based user data.
- Implemented filters, sorting, and dynamic routing to help employers browse profiles efficiently.

AI Powered Prop Firm Comparison Tool |JavaScript, Python, PHP, Firecrawl AI, GitHub Actions   **July 2025**

- Built a filterable platform comparing proprietary trading firms using AI-enhanced web scraping.
- Developed a WordPress plugin to capture emails and display interactive comparison tables.
- Automated data collection with Python and BeautifulSoup for up-to-date insights.

South Carolina Bill Tracker |TypeScript, Python, Firebase, Next.js   **June 2025**

- Built a legislative bill tracker website focused on real-time updates and accessibility:
- Designed a Python scraper to regularly pull and parse data from the SC Statehouse website.
- Automated deployments and data refresh using GitHub Actions and CRON schedules.

Custom Notetaking Website| JavaScript, PostgreSQL, Vite, Supabase   **October 2025**

- Developed a secure, user-authenticated note-taking web app with persistent storage.
- Implemented CRUD notes with per-user access control, editable titles, and PDF export.
- Developed RESTful APIs and custom auth middleware to secure backend operations.
- Deployed on Vercel (frontend) and Render (backend) with a fully responsive UI.

Multi-threaded Sudoku Solver| C, Linux   **November 2024**

- Applied multithreading to parallelize grid evaluations, improving performance.
- Implemented recursive backtracking with pruning techniques to reduce redundant computation paths.

TECHNICAL SKILLS

Languages | Python, JavaScript, TypeScript, Java, C/C#, SQL, DAX, R
Frameworks | React.js, Next.js, Node.js, Express.js , Tailwind CSS, Firebase
Developer Tools | Git, GitHub, VS Code, npm, Vercel, Render, Linux Terminal

EDUCATION

Computer Science, B.S. (Cum Laude, 3.69 GPA)   **2025**
College Of Charleston   Charleston, SC