

Justin Luft

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WORK EXPERIENCE

Lean Digitalization | TypeScript, Python, SQL, DAX, PowerBI, Agile Processes **Aug 2025– Present**
Mercedes-Benz Charleston, South Carolina

- Developed a Python web scraping pipeline to automate data collection, reducing data collection time by 90%.
- Developed LPA Tracker visualization dashboard, increasing plant-wide compliance from 50% to 90-100%.
- Engineered a custom TypeScript heatmap for Power BI to visualize defect patterns from a SQL database.
- Engineered internal software solutions to optimize plant workflows, reducing manual reporting and cycle time.
- Built Power BI applications using DAX, Power Query, and TypeScript visuals, version controlled via GitHub.
- Designed SQL-based data models and reporting pipelines enabling scalable analytics across production shops.
- Coached non-technical stakeholders on maintaining and updating Python, TypeScript, and Power BI applications.

Software Developer | C#, Unity, ffmpeg, Scrum Processes **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.
- Developed a responsive UI with Vite, TypeScript, and Tailwind CSS using modular components and design.
- 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.
- Developed automation scripts for 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.

TECHNICAL SKILLS

Languages | Python, JavaScript, TypeScript, Java, C/C#, SQL, DAX, R, HTML

Frameworks | React.js, Next.js, Node.js, Express.js, Tailwind CSS, Firebase

Developer Tools | Git, GitHub, VS Code, npm, Vercel, Render, Linux Terminal, Power Query, ETL pipelines

Platforms & Applications | Power BI, SharePoint, PowerApps, Excel, ChatGPT, Claude, CoPilot

EDUCATION

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