

Luke Baber

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Education

Texas A&M University

B.S. Mechatronics Engineering

- Minor in Computer Science

- Minor in Embedded Systems

College Station, TX

Aug 2019 – May 2023

Overall GPA: 3.40 | Major GPA: 3.53

Experience

Technical Sales Engineer

IBM

Coppell, TX / Remote

July 2023 – Present

- Sold over 2 million dollars' worth of storage to various fortune 50 companies within the US Industry Market
- Configured numerous storage products to meet customer's technical requirements for their storage environment
- Performed various technical demos to demonstrate the function and value of IBM and RedHat's storage offerings
- Created internal software tools to expedite learning for new hires by utilizing various technologies such as Flet, Python and Lang Chain

Controls Engineer Intern

Dematic North America

Plano, TX

May 2022 – Aug 2022

- Created numerous PLC circuit schematics for an automated storage retrieval system
- Collaborated with other Mechanical and Controls engineers to complete projects
- Programmed multiple Siemens PLCs for the Dematic Multi-shuttle warehouse storage retrieval system
- Presented a detailed project report to the entire Plano engineering department

Electronics Repair Technician

Tyler Cellphone & Computer Repair

Tyler, TX

May 2021 – Aug 2021

- Reduced device repair times by 65% while maintaining a repair success rate of 98%
- Increased the efficiency of opening operations by 50% resulting in faster opening times
- Implemented a consultative sales approach to understand customer needs and recommend relevant offerings and products

Projects

Poly Hammer | Python, React, HTML/CSS, Next.js, FastAPI, Stripe, Terraform, Docker

June 2024 – Present

- Developed a full-stack web application with Stripe payment integration to sell Poly Hammer's products
- Built out both the frontend (React, Tailwind CSS, and Next.js) and backend (Python, FastAPI, and Supabase) of the app.
- Implemented CI/CD and automated testing through GitHub workflows to expedite the product development process
- Established an Infrastructure as Code backend with Terraform for our API hosted on AWS Lambda
- Provided speedy user support with GitHub issues and Sentry.io for error tracking and collection

Drink Mixer App | JavaScript, EJS, Bootstrap, Public APIs

March 2024

- Created a cocktail generation website by utilizing a public drink maker API
- Implemented a fully responsive front end using EJS along with Bootstrap for styling
- Developed the backend with JavaScript and used Axios for API requests and Express for site routing.

Terminology Lookup App | Python, Flet, SQL, Supabase

January 2024

- Created an IBM Storage terminology lookup app that functions across all platforms
- Utilized Supabase for user authentication as well storing terminology references in a database
- Developed the backend (Python and Supabase) and the frontend (Python with the Flet library) of the app.

Technical Skills

Languages: Python, TypeScript, HTML/CSS, SQL (Postgres), Terraform, C/C++, Java

Frameworks: React, Next.js, Node.js, FastAPI, Tailwind CSS, Framer Motion, shaden/ui, Flet

Developer Tools: Git, GitHub, VS Code, Copilot, PyCharm, Vercel, Stripe, Figma, AWS

Certificates: Full Stack Web Developer Bootcamp (Udemy April 2024)