Seth Baird

Mobile : (469) 486-2236

LinkedIn : seth-baird-8b68b9243
Email : sethbaird01@gmail.com
Github : sethbaird01

WORK EXPERIENCE

- **Jawa.gg** — Remote - Dallas, TX
  Verified Seller — *Aug 2021 - Present*
  - **Computer Sales**: Built and sold more than 15 tailored desktop, laptop, and Mac computers to end users at different price points and configurations.
  - **Part Refurbishment and Sales**: Repaired, cleaned, and refurbished parts and sold them to PC builders and end users through Jawa's marketplace.

- **Self Employed** — Remote - Dallas, TX
  Ebay, local sales — *May 2018 - August 2023*
  - **Computer Sales and Commissions**: Built and sold specialized desktop, laptop, and mac computers to clients at different budgets. Parts were chosen and sourced for the best cost efficiency.
  - **Mobile Phone Repair and Sales**: Servicing all major manufacturers - sales and shipping to both domestic and international customers.

PROGRAMMING AND IT SKILLS

- **Computer Science**:
  - Worked with Java and OOP at home and in school beginning in 2018, completing multiple courses over the subject
  - Completed a 2 semester long course on data structures at a local vocational school
  - Leveraged Javascript and Typescript to develop a bot using Node.js, Discord.js, and Dotenv
  - Wrote a document format conversion utility with pyPDF in Python
  - Developed iOS apps with Xcode/Swift and Android apps with Kotlin, inluding imported the use of libraries
  - Wrote this resume in LaTeX using custom commands

- **Linux Server Administration**:
  - Administrated a network of KVM virtual machines and linux containers (LXC) through Proxmox
  - Used a virtualized instance of TrueNAS Core to create a reliable multipurpose storage array
  - Assembled two purpose built NAS computers with identical hardware, configured to make encrypted backups to each other over VPN tunnel
  - Wrote custom bash scripts utilizing cron to automate full system backups and other maintenance tasks

- **Network Design and Configuration**:
  - Leveraged a custom PFSense router for greater speed and customizability
  - Managed Dell PowerConnect Switches with link aggregation groups to accelerate transfer speeds across the LAN
  - Maintained a DNS server with domain filtering to block advertisements for all devices on the network

- **Automotive 12V Installation**:
  - Installed high fidelity multimedia systems in multiple different vehicles
  - Integrated a remote start and alarm system with the existing electrical network
  - Connected smaller accessories like backup cameras, parking sensors, dash cameras, radar detectors, and trunk solenoids to the car's electrical network

- **Microcontroller and IoT**:
  - Designed arduino code utilizing the Blynk API, linking the hardware to a mobile app
  - Used a Raspberry Pi Pico with custom Rust code and OpenSCAD-designed hardware to create an arcade style video game controller
  - Engineered a ceiling fan controller using a wireless microcontroller and relays
  - Installed a 3D printer monitoring solution using Octoprint and a Raspberry Pi with camera

EDUCATION

- **Memorial High School** — Frisco, Texas
  Graduated May 2023 — *Unweighted GPA 3.81*
  - **Noteworthy Courses Taken**: Comp. Sci. 2 (AP) and 3 (Adv.), Mobile App Development, AP Calculus BC, AP Physics C

- **Purdue University** — West Lafayette, Indiana
  Freshman in FYE — *Anticipated graduation May 2027*