Carson Smith

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EDUCATION

The University of Texas at Dallas   Richardson, TX
B.S. in Computer Information Systems and Technology, Minor in Cybersecurity   *Aug. 2024 – Present*

EXPERIENCE

Co-Founder, Development Project Manager   Allen, TX
CS_Squared   *May 2024 - Present*

- Tested and debugged all code before deployment, resulting in a 100% reduction of post-deployment issues
- Automated testing processes by developing and maintaining scripts, cutting manual testing time by 10 hours/week
- Standardized code practices, reducing developer onboarding time by 80%
- Acted as the primary liaison between development and cross-functional teams, ensuring seamless communication
- Oversaw task distribution and coordinated timelines, guaranteeing 100% on-time delivery of project milestones

Back-End Developer   Allen, TX
Allen STEAM Life App   *August 2023 - May 2024*

- Deployed the backend on Amazon AWS, maintaining 99.99% uptime
- Optimized database performance using DynamoDB, ensuring sub-100ms response time for queries
- Collaborated with the project manager to implement robust security measures, achieving zero security breaches

PROJECTS

Petrophysics Inc. Catalog Rewrite | *TypeScript, SQL/SQLite, Pocketbase, React*   July 2024 – Present

- Revamped the seismic data catalog, reducing data retrieval time by 97%
- Engineered a Pocketbase backend to maintain sub-100ms response time for all queries
- Developed a dynamic React front-end for streamlined searching of seismic logs and velocity surveys

Self-Hosted Email Server | *Linux, Shell, SMTP, IMAP, Docker*   March 2024 – April 2024

- Deployed and configured an email server, ensuring 99.99% uptime and complete reliability
- Implemented SPF, DKIM, and DMARC protocols, achieving 100% deliverability for outgoing emails

Self-Hosted Webserver & Personal Website | *HTML, Node.js, Tailwind CSS, Astro, React, Apache*   July 2024

- Launched a personal website (cartt.one), utilizing Astro and Tailwind CSS, maintaining 99.99% uptime

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Java, Python, SQL, HTML/CSS
Frameworks: Django, Flask, React, Tailwind CSS, Astro
Developer Tools: Docker, Git/GitHub, Node.js, Vite
Operating Systems: Linux (Arch, Debian, Kali, RPi OS, Ubuntu), Windows 8/10/11, MacOS, iOS
Technologies: Amazon AWS, UEFI, VirtualBox, VMware, DNS, SMTP, IMAP

CREDENTIALS

CompTIA Security+ | *In-Progress*   September 2024
CompTIA A+ | *ID: COMP001022565935*   July 2024
AP Scholar with Distinction   May 2023