

# Carson Smith

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## EDUCATION

### The University of Texas at Dallas

*B.S. in Computer Information Systems and Technology, Minor in Cybersecurity*

Richardson, TX

*Aug. 2024 – May 2028*

## EXPERIENCE

### Co-Founder, Project Manager

*CS\_Squared*

Allen, TX

*May 2024 - Present*

- Tested and debugged all code before deployment, resulting in a 95% 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 STEAM Life App*

Allen, TX

*Aug. 2023 - May 2024*

- Deployed the backend on Amazon AWS, maintaining 99.99% uptime
- Optimized database performance using DynamoDB, maintaining response times less than 100 ms
- Collaborated with the project manager to implement robust security measures, achieving zero security breaches
- Worked closely with front-end team to ensure reliable data flow between front and back-end

## PROJECTS

### Petrophysics Inc. Catalog Rewrite | *TypeScript, SQL/SQLite, Pocketbase, React*

Jul. 2024 – Present

- Refactored 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
- Implemented a user-friendly interface, increasing user satisfaction by 57%

### Self-Hosted Email Server | *Linux, Shell, SMTP, IMAP, Docker*

Aug. 2024 – Sep. 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
- Drove a 66% reduction in reliability on third-party email services

### Self-Hosted Webserver & Personal Website | *HTML, Node.js, Tailwind CSS, Astro, React, nginx*

Jul. 2024

- Launched a personal website ([cartt.one](https://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, nginx

**Soft Skills:** Customer Service

## CREDENTIALS

**CompTIA Security+ | *In-Progress***

Sep. 2024

**CompTIA A+ | *ID: COMP001022565935***

Jul. 2024

**AP Scholar with Distinction**

May 2023