

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 2027

EXPERIENCE

Information Technology Engineer
Comet Robotics at UT Dallas

Richardson, TX
Oct. 2024 - Present

- Member of the CROUTON Committee, a leadership team responsible for maintaining the club's infrastructure
- Spearheaded a project to modernize, optimize, and organize, the club's networks and servers
- Developed a new member portal, reducing onboarding time by 50% and officer workload by 23%
- Implemented a CI/CD pipeline for the club's codebase, reducing deployment time by 80%

Contract Full-Stack Developer
Petrophysics, Inc

Plano, TX
Jul. 2024 - Present

- Developed a new seismic data catalog, reducing data retrieval time by 97%
- Modernized the front-end, increasing user satisfaction by 57%
- Engineered a Pocketbase backend to maintain sub-100ms response time for all queries

Co-Founder, Backend Developer
CS_Squared

Allen, TX
May 2024 - Present

- Maintained an Amazon AWS backend for our flagship product, ensuring 99.99% uptime
- Responded to incidents and pushed bugfixes within 24 hours of discovery
- Standardized code practices, reducing developer onboarding time by 80%

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

Comet Robotics Infrastructure Rework | *Docker, Hyper-V, GitHub, Shell, Linux*

Oct. 2024 – Present

- Re-organized, secured, and optimized the club's on-prem and cloud infrastructure
- Implemented Docker across the club's services, allowing for easy deployment and monitoring
- Leveraged Active Directory to manage authentication across the club's systems, including 802.1x and web auth

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

Jul. 2024 – Present

- Developed a dynamic React front-end for streamlined searching of seismic logs and velocity surveys
- Performed independent research into the petroleum industry in order to optimize the tool for industry professionals

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

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Java, Python, SQL, HTML/CSS
Frameworks: Django, Flask, React, Vite
Developer Tools: Git, GitHub, JetBrains IDEs, Visual Studio, Node.js
Operating Systems: Linux, Windows 8/10/11, MacOS, iOS, Android
Technologies: Amazon AWS, Docker, Hyper-V, VMware, nginx, Oracle Cloud

CREDENTIALS

CompTIA A+ | *ID: COMP001022565935*

Jul. 2024