ZACHARY JONES

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EDUCATION

UNIVERSITY OF NORTH TEXAS   *May 2025*

B.A. Information Technology – Magna Cum Laude   3.8 GPA

2024 National Runner-up in Intercollegiate Debate

SKILLS

LANGUAGES – TypeScript · JavaScript · C# · C++ · Node · PHP · Java

TECHNOLOGIES – React · .NET · Git · MySQL · Windows · MacOS · GNU Linux · Jira · AWS · Visual Studio · Figma

PROFESSIONAL EXPERIENCE

FULL-STACK DEVELOPER   *Irving, Tx*

Paycom Software   June 2025 – Feb. 2026

- Developed and maintained production-grade features for a large-scale, high-traffic **enterprise SaaS** platform using **React** on the front end and **C#/ PHP** for backend services and API development
- Owned an end-to-end redesign of mobile, public-facing user interfaces impacting **100,000+** users, including authoring **technical specifications**, collaboration with client-facing teams, and full-stack implementation
- Built and optimized **RESTful APIs** and database queries to support high-volume data processing and reporting, improving performance, scalability, and overall application responsiveness.
- Participated in **Agile development** through code reviews, unit and integration testing, and continuous enhancement to CI/CD pipelines to improve code quality.
- Diagnosed and resolved performance issues, implemented security best practices, and documented architectural decisions to support long-term maintainability as part of a large software organization

WEB ASSISTANT   *Denton, Tx*

North Texas Debate   August 2023 – May 2025

- **Solely designed, developed, and maintained** a public-facing web platform for the North Texas debate team using modern front-end technologies, owning the full lifecycle from requirements gathering and design in Figma.
- Served as the primary technical point of contact, balancing product requirements and technical constraints to optimize event promotion, fundraising, and public communications.
- Translated non-technical stakeholder needs into accessible, responsive UI solutions, applying web accessibility (WCAG) and usability best practices to support a diverse public audience.

PROJECTS

CYBERSECURITY CTF E-LEARNING WEB-APP

- Designed and implemented an e-learning web application with a **Flask-based REST API**, owning backend architecture, front-end design, and deployment.
- Built interactive cybersecurity learning workflows in React by translating stakeholder requirements into scalable application features, applying **Agile** development practices to support iterative delivery.
- Demonstrated expertise in web development and cloud services, leveraging **AWS** for hosting and authentication, **JavaScript**, HTML, and CSS.

JWKS AUTHENTICATION SERVER

- Designed and implemented a lightweight authentication server that issues and validates signed JSON Web Tokens (JWTs), exposing a standards-compliant JSON Web Key Set (JWKS) endpoint for public key discovery.
- Implemented key generation, rotation, and stateless token validation workflows, strengthening understanding of backend authentication patterns, trust boundaries, and secure API access in distributed systems.