

Nicholas Zolton

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Technical Skills

Programming Languages: Java, C#, C++, C, Python, JavaScript, TypeScript, HTML, CSS

Tools/Frameworks: React, React Native, NodeJS, Spring, Docker, Kubernetes, FastAPI, PyTorch, Svelte

Experience

Chief Technology Officer <i>Happyverse</i>	Oct 2025 - Present San Francisco, CA
<ul style="list-style-type: none">Leading technical strategy for a pre-seed startup valued at \$10M backed by Village Global, Jeff Dean, and Nvidia's InceptionSecured multiple 5-figure enterprise contracts by leading end-to-end customer evaluations spanning technical discovery, solution design, and enterprise security requirements	
Head of Engineering	Sep 2025 - Oct 2025
<ul style="list-style-type: none">Implemented agentic solutions including knowledge retrieval, MCP integration, and interactive screen features, resulting in a significant increase in pilot user engagement and retentionReduced GPU inference costs by 75% without affecting broader quality benchmarks by optimizing model infrastructure and enabling distributed, parallelizable inferencing solutions	
Founding Software Engineer <i>Walmart Global Tech - Global Workforce Management Analytics Team</i>	Jun 2025 - Aug 2025
<ul style="list-style-type: none">Architected distributed, real-time video-conferencing AI systems using WebRTC and Triton; rapidly grew product to 1,000+ users with hundreds of AI conversations weeklyBuilt a B2B web-app for tailoring real-time AI experiences, owning the React/TypeScript frontend, backend/infra, and Kubernetes orchestration	
Software Engineer <i>Walmart Global Tech - Global Workforce Management Demand Team</i>	Feb 2025 - Jun 2025 Bentonville, AR
<ul style="list-style-type: none">Integrated Walmart Canada into analytics platform, eliminating multi-million-dollar third-party costsBuilt data pipelines with Airflow/BigQuery and improved frontend performance for a web app serving 60k daily usersDeveloped and deployed critical infrastructure components using Java Spring for the Global Workforce Management Demand team, directly facilitating the automatic scheduling of 2.3 million associates worldwide	
Teaching Assistant - Discrete Mathematics <i>University of Texas at Dallas</i>	Aug 2024 - Dec 2024 Richardson, TX
<ul style="list-style-type: none">Mentored 40+ students in discrete mathematics concepts including logic, set theory, and graph theory, facilitating a deeper understanding of computer science and algorithm fundamentalsCollaborated with faculty to grade assignments and exams, providing detailed feedback to support student learning and academic success	
Software Engineering Intern <i>Walmart Global Tech - Global Workforce Management Demand Team</i>	Jun 2024 - Aug 2024 Bentonville, AR
<ul style="list-style-type: none">Spearheaded Java Spring microservice for critical task automation, saving dozens of monthly labor hoursReduced tech debt by 30% across team projects through legacy code refactoring, improving development velocity and lowering maintenance costs	
Software Development Intern <i>BenefitMall</i>	Nov 2022 – May 2023 Richardson, TX
<ul style="list-style-type: none">Optimized C# and SQL stored procedures for W-2 services, reducing report generation time by up to 50%	
Software Engineering Intern <i>Brains4Drones</i>	Dec 2021 - Aug 2022 Dallas, TX
<ul style="list-style-type: none">Pioneered use of OpenVINO, YoloV5, and TensorRT to increase embedded vision-inferencing AI performance by 400%+Managed two vital projects and developed 5,000+ lines of production code, removing reliance on shortage-ridden hardware	

Education

University of Texas at Dallas <i>Bachelor of Science in Computer Science</i>	GPA: 4.0 Dec 2024
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Projects

Sparrow Link <i>FastAPI, Postgres, React, Typescript</i>	Dec 2024
<ul style="list-style-type: none">1st place Engineering Capstone project at The University of Texas at DallasDeveloped a remote research platform for Spark Biomedical, accelerating clinical trials and data collection for their neuro-stimulation device, and enabling secure remote access to medical technology	

Achievements

1st Place Gemini x Pipecat (\$100,000 prize) <i>Google Developer Student Club President</i> <i>Hackathon Awards: HackUTA (2nd), Axxess (1st), HackRICE (2nd), HackPrinceton (Finalist)</i>	Oct 2025 2023 – 2024
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