

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, Flask, Svelte

EXPERIENCE

Founding Software Engineer

June 2025 - Present

Happyverse

San Francisco, CA

- Architected and launched a distributed, real-time video-conferencing AI platform using WebRTC and Nvidia Triton, supporting 100+ concurrent users and powering interactive business solutions for SMB clients
- Led development of a React and Node.js web application enabling businesses to deliver personalized, AI-driven video and audio avatar experiences, increasing user engagement and retention by 20% across pilot customers
- Achieved \$1.7M pre-seed funding for the company by demonstrating technical innovation, strong product-market fit, and assembling a high-performing engineering team to accelerate product delivery

Software Engineer

February 2025 - June 2025

Walmart Global Tech - Global Workforce Management Analytics Team

Bentonville, AR

- Eliminated \$1,000,000s in third-party contract costs by integrating Walmart Canada into our analytics platform
- Designed and implemented data pipelines using Apache Airflow and BigQuery to build and deploy core analytics infrastructure, enabling business leadership to make data-driven decisions regarding labor demand and scheduling
- Established robust monitoring, alerting, and data correction processes, focusing on key Golden Signals to ensure metric accuracy and significantly improve the reliability of business decision systems
- Enhanced performance and delivered key features for a web application serving 60,000 daily active users by leveraging React, Node, and Redux, improving user satisfaction and system reliability

Software Engineering Intern

June 2024 - August 2024

Walmart Global Tech - Global Workforce Management Demand Team

Bentonville, AR

- Developed 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
- Spearheaded Java Spring microservice for critical task automation, saving 10s of monthly labor hours
- Reduced tech debt by 30% across team projects through legacy code refactoring, improving development velocity and lowering maintenance costs

Software Development Intern

November 2022 – May 2023

Truist Financial Corporation

Richardson, TX

- Optimized C# and SQL stored procedures for W-2 services, reducing report generation time by up to 50%
- Maintained and upgraded core .NET infrastructure for user-facing services, ensuring high availability and low latency

EDUCATION

University of Texas at Dallas

GPA: 4.0

Bachelor of Science in Computer Science

December 2024

PROJECTS

Sparrow Link | *FastAPI, Postgres, React, Typescript*

December 2024

- 1st place Engineering Capstone project at The University of Texas at Dallas
- Developed 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 Engineering Capstone Project at UTD

December 2024

Google Developer Student Club President

2023 - 2024

HackPrinceton 2023 Finalist

November 2023

HackRICE 13 Hackathon 2nd Place Environmental Hack

September 2023

Axxess 2023 Hackathon Overall 1st Place

April 2023

HackUTA 2023 Overall 2nd Place

October 2023

WEHack 2023 Hackathon 2nd Place Machine Learning

February 2023