

# Na Zhao

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## SKILLS

**HTML5** | **CSS** | **TailwindCSS** | **Javascript** | **Typescript** | **React** | **Next.js** | **Node.js** (Express.js) | **MongoDB** (Mongoose)  
**SQL** | **React Native** | **Java** | **Git** | **UX design** | **Wireframing**

## PROFESSIONAL EXPERIENCE

### Career Hiatus

10/2020 – present

Currently dedicating time to personal projects and self guided learning while providing after school care for my child after Cisco's workforce reduction.

- Self-taught in frontend and full stack development, proficient in constructing responsive websites from scratch
- Completed The Odin Project (HTML, CSS, Javascript, React, Node.js, Express.js)
- Completed the Google UX certification program (User Research, Wireframing, Mockups, Usability Testing, Adobe XD, Illustrator, Figma)
- Developed personal and portfolio projects (Typescript, Next.js, TailwindCSS)

### Software Engineer

01/2017 – 10/2020  
Alpharetta, GA

Cisco

- Worked on converting Stealthwatch (now called Secure Network Analytics) from on-device storage to using a centralized, Big Data database (Vertica)
- Implemented the foundational system architecture for remote query processing via REST API (Java, Spring Boot)
- Designed and implemented queries to be processed via API(SQL, MyBatis)
- Implemented REST services to manage updates and patches for remote Stealthwatch devices (Java, Spring)
- Collaborated on a POV project to aggregate and query on-device data from individual Stealthwatch devices at remote locations
- Extensively involved with implementing and fixing black box tests

### Software Engineer

08/2012 – 10/2016  
Kansas City, MO

Cerner Corporation

- Extensively used Big Data technologies to process and organize medical records (Java, Hadoop, Crunch, HBase)
- Designed and implemented data pipeline concurrency to increase the speed of inter-cluster communication
- Troubleshoot erroneous and missing data in production environments with queries, metrics, and logs (Hive, Hue, Splunk)
- Developed extensive unit tests focused on complete coverage and integration (JUnit, Mockito)
- Performed functional testing in non-production Linux environments
- Automated tasks to support Continuous Delivery and Deployment
- Worked under Scrum, Agile, and Kanban process frameworks

## EDUCATION

### MS, Computer Science

08/2010 – 05/2012  
Winston Salem, NC

Wake Forest University

- Full Academic Scholarship from Wake Forest University for a Master in Computer Science

### BS, Network Engineering

09/2005 – 06/2009  
Changsha, China

Changsha Univ. Of Sci. & Tech.

- Ranked 3rd among 69 students in the Network Engineering Department

## PERSONAL PROJECTS

### Smart Home Schedule

01/2024

A smart home scheduling web app that enables automated control of smart devices via user-set schedules

- This project utilized Next.js app router and server actions
- Written in Typescript; Styled with TailwindCSS

### Next.js Blog

10/2023

A personal blog implementation using Next.js and MDX

- Technologies used: Next.js(pages router), Typescript, TailwindCSS, MDX, Vercel Postgres

### Orbit Talk

08/2023

A messaging app that allows friends to send messages to each other

- Technologies used: React, Vite, Express, MongoDB, Typescript, TailwindCSS