

NIKITA ZDVIJKOV

www.nznz.me nikita@nznz.me 832-758-6375 Houston, TX & Remote. US citizen. References available.

SKILLS

Programming languages TypeScript, JavaScript, OCaml, ReScript, functional & OOP paradigms
Full-stack React, Node.js, Express.js, PostgreSQL, web app architecture & security
Cloud Linux server administration, Docker, Heroku, GitHub CI/CD
Collaboration Git, Agile, Scrum, public speaking, technical writing
Electrical engineering Robotics, embedded systems, controls, PCB design (EDA), digital design, circuit simulation

EXPERIENCE

Small and mid-size business clients Remote

Solo Freelance Software Engineer June 2022–Present

- Consulted non-technical clients.
- Architected, implemented, and deployed a custom web scraping system + admin panel web interface.
- TypeScript, Express.js, React SSR, PostgreSQL, Prisma ORM, Linux VPS, Bootstrap, Tailwind CSS
- Implemented using low-level libraries: cookie-based auth, form validation, anti-CSRF, etc.

[Asemio](#) Tulsa, Oklahoma & Remote

Software Engineer May 2021–June 2022

- Rapidly onboarded to a 5-dev Agile team building a custom operations mgmt. system for a large technical college.
- Worked on the frontend: a React SPA styled using Sass, consuming a GraphQL API.
- Coordinated APIs and conventions with teammates.
- Augmented a custom Salesforce CRM system for Oklahoma charities. Designed, implemented, and optimized database triggers in Apex and SOQL. Built UIs using Visualforce and Lightning Web Components.
- Worked closely and creatively with stakeholders and project managers.

Software Engineer Intern May 2020–May 2021

- Prototyped an internal Slack chatbot tool in OCaml, a functional programming paradigm language.
- Wrote asynchronous HTTP clients and servers. Modeled third-party APIs using the type system.

EDUCATION

The University of Tulsa Tulsa, Oklahoma

B.S. Electrical Engineering · Minor in Mathematics Class of '21

- **Chapter President—Association for Computing Machinery (ACM)**, the professional organization for comp-sci majors, the best-funded (\$5k+ annual budget) club at TU. Doubled event frequency and attendance. Organized tech talks and recruiting events regularly attended by 30+ and a hackathon attended by 100+. Gave 10+ tech talks. Lead a team of 5 officers for 2 years as president after 1 year as treasurer. (2018–2021)
- **1st place in Regional IEEE Poster Competition** for my team's senior design project: upgrades to a custom distributed embedded door access control system in use at TU. (2021)
- Emceed and performed for an audience of 150+ at an international festival. (2020)

HOBBIES

I enjoy swimming, having picnics, and learning history. Also, I love teaching, especially math, physics, and computer programming—I tutor both as a community service and professionally a few hours every week. I blog on www.nznz.me.