

# ALEJANDRO WURTS

## Software Developer

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## SUMMARY

Full Stack Developer with experience in crafting efficient and scalable web applications. My expertise encompasses frontend frameworks and backend architectures, honed through roles at Oracle and other tech ventures. Proficient in TypeScript, JavaScript, React, Next JS and Python, I prioritize clean code, optimized performance, and user-centric design.

## SKILLS

- Programming languages: Typescript, Python3, HTML5, CSS3
- Databases: MongoDB, PostgreSQL
- Frontend frameworks: React JS, Next JS, Redux, Tailwind CSS
- Backend frameworks: Express Node JS, TRPC, Django
- Deployment and hosting: Netlify, Vercel, AWS
- Tools: GitHub, Postman
- Capable of picking up new languages and tools as required.

## LANGUAGES

- English: Bilingual proficiency
  - TOEFL IBT: 108
- Spanish: Native proficiency
- German: Elementary proficiency

## PROJECTS

- StoryMator: Collaborative agile story points estimation tool built with web sockets, Express, Next JS and Typescript.
- Cryptotracker: A progressive web app that display the latest data for the most popular cryptocurrencies.
- See more about projects I've developed at [alejandrowurts.com/#projects](https://alejandrowurts.com/#projects)

## PROFESSIONAL EXPERIENCE

### Applications Developer - Oracle

Guadalajara, México  
January 2022 - October 2023

- Introduced New Framework: Led the rollout of a new JavaScript/TypeScript framework (UIF) for SPAs, enhancing the skills of our 40+ developer team.
- Frontend Agile Management App: Led the design of a web app for agile project management, integrated with NetSuite. Features drag & drop for user story updates and efficient backlog tools.
- SPA for NetSuite Data: Developed an SPA for detailed NetSuite record exploration, providing intuitive data querying.
- SuiteScript Skills: Utilized SuiteScript for various NetSuite customizations, collaborating with international stakeholders.

### Software Application Engineer - ITS

Monterrey, México  
December 2019 - December 2021

Developer at leading CMM metrology tech firm:

- Web Development: Architected the company's first website with JavaScript and Bootstrap, highlighting its legacy and services.
- Electronic Test Bench: Led reverse engineering of electronic components, creating a Raspberry Pi test bench with a user-friendly Python/Tkinter UI for component tests and configuration.
- CAD & Prototyping: Used CAD for custom devices, bringing designs to life through 3D printing.

### R&D Engineering Intern - Nanlite / Nanguang

Shantou, China  
May 2018 - August 2018

At a leading Chinese lighting equipment factory, I converted initial drafts into precise CAD models and enhanced product manuals tailored for global users. Additionally, I engaged with in-house teams, bridging cultural and technical divides. This role not only sharpened my CAD expertise but also underscored the significance of effective global communication.

## EDUCATION

### Master of Science - Web Engineering

Technische Universität Chemnitz  
2023 - 2025

Pursuing a master's degree in Web Engineering. This program equips me with advanced knowledge and hands-on experience in designing, developing, and maintaining scalable, reliable, and user-centric web solutions.

### Bachelor's degree in Mechatronics

Fundación Universidad de las Américas Puebla, UDLAP  
2015 - 2019

As part of my activities, I also was secretary of the student body for the Mechatronics department, 2018-2019.