Dowon Cha
Senior Software Engineer, Full Stack

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Professional Summary

Enterprise senior software engineer with over ten years of experience developing robust software applications. Love to work with both executive/product teams and technical/non-technical end-users to deliver high impact projects. I thrive when adapting to fast changing environments. Technically strong software development fundamentals in data structures, system architecture, APIs, and debugging. Committed to product robustness and maintainability with automated end to end testing. Most effective with Typescript, Node.js, React, and MongoDB; but dangerous enough with Python and Rust. Proficient in major cloud platforms like AWS, GCP, or Azure.

Professional Experience

Plasma Games
Senior Full Stack Engineer
📅 Jan 2024 - Present

Science focused interactive EdTech platform for secondary school teachers and students

- Contributed to design, implementation, and maintenance of **play.plasma.games** built with Angular, Nest.js, GraphQL, MongoDB
- Worked closely with product and technical executives to design and plan large quarterly initiatives to deliver new experiences
- Connected data with customer sales platform to provide data analytics to non technical teams and enable sales insights
- Lead teams through challenging technical projects to continuously improve product definition

EY
Senior Tech Consultant & Tech Lead
📅 Sep 2021 - Dec 2023

Cloud cost reducer for SAP infrastructure owners

- Built automated system from 0→1 to control infrastructure using Angular, Node.js, and MongoDB, REST API, Azure
- Mentored six non-technical associate consultants to contribute code to product within six months
- Coordinated with stakeholders to plan, estimate, prioritize and demonstrate product features
- Analyzed data to optimize application goals for fine-tuning performance and communicating to stakeholders
- Collaborated with other product leads to integrate application functionality and provide an umbrella of services to clients

Clevertech
Full Stack Engineer
📅 Nov 2019 - Apr 2021

Commercial building construction estimator

- Implemented web 3D interactive visualization for clients to prototype and estimate new project returns, built in React.js, Three.js
- Crafted GraphQL API in Node.js to deliver user and computational geometry data scalably and performantly
- Demonstrated new product functionality to stakeholders for feedback and iteration while collaborating with nine engineers to ideate, build, deploy, and manage

Chainyard
Full Stack Engineer
📅 Nov 2018 - Nov 2019

Legal document integrity solutions

- Built Angular frontend web application for legal document verification using decentralized blockchain technology, creating secure and transparent solutions for legal document authentication

Education

Bachelor of Science
Computer Science and Mathematics
University of North Carolina at Chapel Hill
📅 2013 - 2017