Doan Kien *Full Stack Engineer*

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📍 Düsseldorf, Germany ⌕ portfolio

🪪 Profile

Senior **Full-Stack Engineer** with over **7** years of experience in building complex web applications. Proficient in a variety of programming languages, frameworks, and tools including ***JavaScript, TypeScript, React***, ***Angular***, ***Java***, ***Node.js***, ***Python***, ***Django***, and ***AWS***. Proven track record of delivering high-quality software solutions on time.

🧠 Skills

Languages (JavaScript, TypeScript, Python, Go, Java, PHP, C, C++, C#)

Front-End (HTML, CSS, React, Next, Angular, Mui, Bootstrap, Tailwind CSS)

Back-end (Django, Flask, Express, Nest, Laravel, PHP)

Storage (Postgres, MySQL, Oracle, MongoDB, Redis, Firebase Runtime Database, AWS DynamoDB)

DevOps (Git, CI/CD, Docker/Kubernetes, AWS, Google Cloud, Digital Ocean, Firebase)

Restful API (OpenAI API, LangChain, ChatGPT, AutoGPT, ZeroGPT, Stable Diffusion, Dialogflow, TTS, STT, Text-to-Image, Image-to-Image)

🎓 Education

Bachelor of Computer Science (BCompSc), August 2012 – May 2016
University of Michigan Ann Arbor, MI, United States

🪪 Certificates

- ChatGPT Masterclass: A Complete ChatGPT Guide for Beginners!
- React, Redux & RxJS under the hood

🏠 Organizations

AVATEK, *Full Stack Engineer* MI, USA
AVATEK is a leading AI-focused agency dedicated to transforming novel ideas into global brands.

💼 Professional Experience

Full Stack Engineer, *Voxpow* ⬈   February 2021 – March 2023
                                                        Middletown, DE, United States

- Developed and maintained cloud-based speech recognition services for Voxpow, enabling users to add voice control and search functionality to their websites.
- Collaborated with cross-functional teams, including designers, product managers, and QA engineers, to seamlessly integrate speech recognition services into client websites.
- Utilized React, TypeScript, and Tailwind CSS to create visually appealing and user-friendly interfaces for voice command customization, speech-to-text conversion, and other features.
- Implemented responsive designs to ensure compatibility across different devices and browsers.
- Integrated Voxpow's voice recognition trackers into websites, allowing users to interact with the site using voice commands.
- Built RESTful APIs using Python and Node.js to facilitate communication between front-end interfaces and Voxpow's cloud-based services.
- Integrated Google Cloud Speech-to-Text stream to convert speech into text in real-time, supporting over 100 languages and variants.
- Implemented natural language processing techniques, such as sentiment analysis and part of speech tagging, to enhance the understanding of user commands.
- Developed and deployed the Voxpow WordPress plugin, expanding the company's reach to a wider user base.
- Collaborated with the WordPress integration team to ensure seamless integration of voice recognition capabilities into WordPress websites.
- Integrated Google Analytics synchronization to track user interactions and provide valuable insights for advanced analysis of voice technology usage.
- Contributed to the enhancement of noise robustness in the Speech-to-Text services, enabling accurate speech recognition even in noisy environments.
- Implemented custom voice commands, providing users with a unique and intuitive way to interact with websites.
- Played a key role in the development and maintenance of Voxpow's cloud-based speech recognition services, contributing to the advancement of voice recognition technology.

Frontend Engineer, *CyOp Corporation* ⬈   February 2020 – December 2020
                                                        Frankfrut, Germany

- Spearheaded the development of CyOp, a cutting-edge blockchain interface that enables fund holders to vote for projects and earn passive income.
- Collaborated on the development of DAO smart contracts on Ethereum, including forking Arbitrium, to ensure seamless integration with the blockchain.
- Expertly integrated web3.js with React front-end to create a robust and secure communication channel for sending and receiving API requests and events with smart contracts and custom backends.
- Designed and developed over 100 visually stunning and highly functional components using SCSS and React custom hooks.
- Implemented advanced optimization techniques such as lazy loading, code splitting, and memorization to ensure maximum speed and optimal user experience, including mobile responsive features.
- Utilized the React Developer Tools to identify and resolve performance bottlenecks, resulting in a highly optimized application.

- Developed comprehensive test cases using Jest to ensure the functionality and reliability of React components.
- Facilitated seamless collaboration with two back-end developers and a web designer to enhance user experience and optimize usability.

Web Developer, *Medely* ⬀   February 2017 – November 2019
Santa Monica, CA, United States
- Developed a web application for healthcare jobs with professional & facility users using React.
- Used Fabric.JS for creating and manipulating graphics and visual elements on Canvas.
- Worked on an application architecture with component systems and state management using Redux.
- Built the responsive web pages converting from Figma system using Material-UI.
- Used React profile to monitor the performance of a web application and improved it using memorization & some other features.
- Implemented the lazy loading for modules and assets.
- Integrated GraphQL for restful API calls interacting Node.js.
- Wrote SQL queries with MySQL database server.
- Implemented Stripe payment SDK and WebRTC to support video calls and payment functionality.
- Worked on AWS S3 bucket integration for large data of application assets.
- Used Jest, Enzyme for unit and integration testing.
- Converted from JavaScript to TypeScript for the web application.
- Used storybook to manage UI components and utility functions like API calls.
- Used JIRA for bug tracking. Git is used as a version control tool and Jenkins is used for the continuous integration of builds.
- Stylized web pages to reflect attractive designs.
- Facilitated group sessions to elicit complex information on requirements clarification, design sessions and code reviews.
- Utilized code review tools to share knowledge and explore different approaches to solve problems.

🗀 Projects

Forefront Chatbot, *A better ChatGPT experience.* ⬀
- A better ChatGPT experience.
- Sign up to get free access to GPT-4, image generation, custom personas, shareable chats, and more.

Playground AI, *Free AI image generator | Art, Social Media, Marketing* ⬀
- Playground AI is a free-to-use online AI image creator.
- Use it to create art, social media posts, presentations, posters, videos, logos and more.

BotPenguin, *Free Chatbot maker | Chatbot for Website, WhatsApp* ⬀
- BotPenguin is a FREE AI Chatbot Creator for Website, WhatsApp, Facebook & Telegram.
- No-Code chatbot maker comes with live chat plugin & ChatGPT integration. Try now!

Typetone, *Personalized AI Content Platform: AI Brand Voice* ⬀
- AI content generation in the tone of your personal or brand language.

- Easily automate your content in your personal writing style.
- Trusted by 10,000+ companies.

Vehicle registration scanner, *Individual digitization of vehicle...* ⧉
- We offer vehicle registration scanners and fleet damage management software solutions in the automotive sector.
- Our products digitize, optimize and shorten work processes for more effectiveness.
- "We rely on modern OCR and AI technologies."

Qwark Health, *The Smarter Way to Pharmacy* ⧉
Feel better knowing you'll always find competitive medication prices on Qwark — we'll check your insurance price in real-time.

Watsom, *Contents Generation Tools* ⧉
Watsom is a content generation tool that makes it quick and easy to generate content using GPT3.

Emirates Paints, *Sakib Ahmed* ⧉
Emirates Paints was established in 2021. Proudly made in the UAE. Fast-growing company to be expanding in the UAE.

Suppliers, *Web scrapping* ⧉
Goal is to display data from various websites, requiring web scraping functionality.
- onsemi
- molex
- smartdata
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