

DANIEL ALVAREZ

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As a passionate full-stack developer with extensive hands-on experience in building dynamic web applications, I leverage my strong background in programming languages such as JavaScript, Python, and Java to create seamless user experiences and robust backend solutions.

EXPERIENCE

AUG 2018 – JUN 2019

WEB DEVELOPER, NLJOBS.COM

I began my career as a full-stack developer at nljobs.com, where I played a crucial role in enhancing the company's online presence. My primary responsibilities included troubleshooting and resolving various technical issues on the website, ensuring a smooth user experience. This involved debugging code, optimizing performance, and addressing user feedback to improve functionality.

In addition to fixing issues, I was actively involved in adding new features to the website. This included collaborating with cross-functional teams to gather requirements, designing user-friendly interfaces, and implementing backend logic to support new functionalities. Through this process, I gained hands on experience in the entire web development lifecycle, from initial planning and design to deployment and maintenance.

During my time at nljobs.com, I developed a solid understanding of general web architecture, including client-server interactions, database management, and API integration. I became proficient in various technologies and frameworks, which allowed me to build responsive and efficient web applications. This foundational experience has equipped me with the skills necessary to tackle complex development challenges and contribute to successful projects in the future.

JUN 2019 – OCT 2023

FULL-STACK DEVELOPER, FREELANCER

During my time at my previous company, I realized that there were limited opportunities to gain extensive knowledge and stay updated with cutting-edge trends. This prompted me to start my freelance career. Through working with various clients, I acquired valuable experience and built a strong foundation in the programming world. Additionally, I developed team management skills while collaborating with freelancers from multiple countries.

I have successfully developed multiple websites using Node.js, Python, and PHP, as well as created mobile using Flutter, React Native and Kotlin and desktop applications. The competitive environment has driven me to thrive and grow, and I am grateful for the opportunities that have allowed me to cultivate robust skills that enable me to tackle any challenge.

OCT 2023 – CURRENTLY

FULL-STACK DEVELOPER, INFO@NLCAREERS.COM

L Last year, I reconnected with one of my previous clients who owns a startup company. Although he

had an existing website, it was struggling with low traffic levels, prompting me to offer my assistance once again.

During my analysis of the website, I discovered several critical structural issues that were negatively impacting its performance and user experience. This included problems with navigation, page load times, and overall responsiveness. To address these challenges, I recommended revamping the site using TypeScript, which would enhance maintainability and scalability.

I became actively involved in the development process, collaborating closely with the client to implement the new design and features. This project is still ongoing, and I continue to provide support by offering insights on search engine optimization (SEO) strategies and techniques to improve load speed. My goal is to enhance the website's visibility and performance, ultimately driving more traffic and improving user engagement.

EDUCATION

JULY 2018
BACHELOR OF SCIENCE IN COMPUTER SCIENCE (BSCS), COMPUTER SCIENCE THE
UNIVERSITY OF BRITISH COLUMBIA
RELEVANT COURSEWORK: DATA STRUCTURES, ALGORITHMS, MACHINE LEARNING,
SOFTWARE ENGINEERING

SKILLS

● Programming Languages ○ JavaScript ○ Python ○ PHP ○ Java ○ Ruby ● Frameworks and Libraries ○ Nest.js/ React.js/ koa.js/Nuxt.js/ Angular.js / Express.js ○ Django / Pandas / TensorFlow ○ Laravel / Android Java/ Composer / Guzzle ○ Spring / Hibernate/ Apache Commons/ Junit ○ Ruby on Rails ● Web Development: ○ HTML5, CSS3 ○ Responsive Design ○ RESTful API Development ○ Frontend and Backend Integration ● Database Management:	● DevOps: ○ Basic knowledge of CI/CD pipelines ○ Familiarity with cloud platforms (AWS, Azure, etc.) ● Soft Skills ○ Problem Solving: Strong analytical skills to identify and resolve issues efficiently. ○ Collaboration: Experience working in cross-functional teams and managing remote freelancers. ○ Adaptability: Ability to learn new technologies and frameworks quickly. ○ Communication: Effective in conveying technical concepts to nontechnical stakeholders. ● Project Management ○ Agile Methodologies: Familiar with Scrum and Kanban practices. ○ Client Relations: Experience in understanding client needs and
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○ SQL (MySQL, PostgreSQL) ○ NoSQL (MongoDB) ● Performance Optimization: ○ SEO best practices ○ Load speed improvement techniques	delivering tailored solutions. ● Other Skills ○ Image Processing: OpenCV / Pillow ○ Data Analysis: R / JASP / Power BI
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WORK EXPERIENCE

- <https://online-barcode-reader.inlittersearch.com/>
 - Developed a web-based barcode reader service utilizing Vue.js for the frontend and Laravel for the backend, with Python handling the core barcode processing logic.
 - Developed a web-based barcode reader service utilizing Vue.js for the frontend and Laravel for the backend, with Python handling the core barcode processing logic.
 - Integrated OpenCV and a Python-based barcode reading library to facilitate the recognition of various barcode formats.
 - Enhanced the default image preprocessing functions within the barcode library to improve accuracy when dealing with low-quality images, resulting in more reliable barcode detection.
 - Optimized the system to handle a wide range of image resolutions, ensuring the service is robust and user-friendly for diverse applications.
- Inventory Management Tool for Keyence BT-A500
 - Developed a customized Android application for the Keyence BT-A500, tailored specifically to meet the client's inventory management needs.
 - Overcame the challenge of limited documentation by methodically debugging the interaction with the device firmware, ensuring seamless integration and optimal performance.
 - Conducted thorough step-by-step analysis and testing to refine the app's functionality and improve efficiency, resulting in a reliable tool for inventory management in the client's environment.
- <https://www.omnicalculator.com/>
 - Frontend Development: We used React.js to build dynamic and interactive interfaces. Each calculator was developed as a modular component that can be reused across the site.
 - Backend Development: The backend was built using Next.js, handling data processing, API integrations, and server-side logic. The calculators were programmed to handle complex mathematical computations efficiently.
 - Integration: APIs and databases were integrated to ensure smooth data flow between the frontend and backend. The system was designed to be scalable to accommodate a growing number of calculators.

Thank you for considering my application. I look forward to the opportunity to discuss how I can contribute to your continued success.