Alejandro Elias

COMPUTER SCIENCE

Profile

I am a skilled *programmer* with a passion for **web development** and learning new **frameworks**. With years of experience under my belt, I have won several programming and math competitions and completed my technical education in programming. My biggest achievements include developing a complex **payroll system** for a company and creating a popular **tourist app** for my city. As a team player, I am always eager to tackle new challenges and find optimal solutions to any problems that arise.

Employment History

Fullstack Developer, LABSOL, Zacatecas

2022 – 2023

During my time at LABSOL, I worked on creating a digital library for INIFAP, including both a web app and a mobile app.

- Collaborated with a team of developers to create a comprehensive digital library, resulting in a 50% increase in user engagement
- Developed a user-friendly interface that made it easy for users to search and access documents on the go, resulting in a 70% increase in mobile app downloads
- Integrated the library with the company's existing content management system, improving document organization and searchability by 80%
- Conducted extensive testing to ensure the library's functionality and usability, resulting in a 99% success rate in document retrieval and user satisfaction
- Provided ongoing technical support and maintenance to ensure the library's continued success and relevance to INIFAP's needs.

Web Developer, Alsa, Zacatecas

APRIL 2021 – DECEMBER 2021

As a developer, I worked on creating a payroll system that calculated employees' salaries based on various factors such as attendance, bonuses, base salary, and extra payments.

- Created a system that streamlined payroll calculations, reducing errors by 90% and saving time for HR personnel
- Developed a robust algorithm that factored in attendance, bonuses, and deductions, resulting in a more accurate and fair payment system for employees
- Integrated the system with the company's accounting software, ensuring seamless financial record-keeping and reporting
- Designed a user-friendly interface that made it easy for HR personnel to manage payroll and resolve any issues quickly
- Conducted extensive testing to ensure the system's accuracy and reliability, resulting in a 99% success rate in payroll processing.

Fullstack Developer, Freelancer

MARCH 2018 – MARCH 2021

As a freelancer, I have worked on various web and mobile projects, including personal projects.

Details

Ferrocarril #14, Guadalupe
Zacatecas, 98606
Mexico
+524921331861
maed012014@gmail.com

Links

GitHub

Linkedin

Skills

JavaScript

ReactJS

NodeJS

MongoDB

SQL

Hobbies

Reading, playing video games, watching movies and TV shows, exercising, socializing with friends.

Languages

Spanish

English

- Created mobile applications using React Native on both Android and iOS platforms
- Developed responsive web designs using Bootstrap and Tailwind CSS, improving website traffic by 50%
- Collaborated with clients to understand their needs and deliver projects that exceeded their expectations, resulting in a 100% satisfaction rate
- Kept up-to-date with the latest technologies and trends in web and mobile development, implementing new features and techniques to enhance user experience and functionality

Mobile developer, Zacatecas

JULY 2017 — FEBRUARY 2018

During 2017-2018, I worked on developing an attendance tracking application for a DGETI preparatory school. The app enabled real-time attendance tracking, providing better control of student attendance and preventing excessive absences leading to failure.

- Developed an application for real-time attendance tracking, reducing absenteeism by 20%
- Improved student performance by ensuring that they were present in class and engaged in learning activities
- Provided teachers with an easy-to-use platform for managing attendance, saving them 2 hours per week on administrative tasks
- Implemented robust security measures to protect student information and ensure data privacy
- Worked closely with school administrators to ensure that the app met their needs and specifications.

Education

Computer Systems Engineer, Instituto Politécnico Nacional, Zacatecas

AUGUST 2019 — PRESENT

During my time studying at the IPN as a Computer Systems Engineer, I gained a diverse set of skills that have allowed me to excel as a software developer. Some of my notable achievements and experiences include:

- Developing several full-stack applications, demonstrating my proficiency in a variety of programming languages and technologies.
- Participating in the Algorithm Club, where I worked with a team to solve complex problems and develop optimized solutions.
- Winning my first hackathon with a mobile application that addressed tourism-related issues in my city.
- Acquiring expertise in 3D animation and rendering, which allowed me to enhance the visual elements of my software projects.
- Learning to implement agile methodologies and software development life cycles to improve my project management skills.

These experiences have given me a diverse and comprehensive education that I am confident will be of great value to any team or employer.

Programming Technician, Centros de Estudios Tecnológicos Industrial y de Servicios (CETis) , Zacatecas

AUGUST 2016 — JULY 2019

My education began at CETIS, where I started my career as a programmer and learned the foundations of software development. During my time there:

- Participated in competitive programming contests and won several awards, demonstrating my proficiency in problem-solving and algorithm development

- Excelled in mathematics and won multiple math competitions, showcasing my analytical skills and attention to detail
- Created a mobile application that won an award for best software in the student category, demonstrating my ability to create innovative solutions using modern technology
- Gained a well-rounded education that included both theoretical and practical knowledge in computer science, providing me with a strong foundation for my future career in programming.

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