

# SERGIO ALCALA

WEB-DEVELOPER

## Education

### National Polytechnic Institute (IPN)

2007 – 2011

Bachelor Engineering degree in Communications and electronics with specialty in computer

## Contact

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## Skills

### Programming Languages

JavaScript, TypeScript, HTML, CSS, Python,

PHP

### Libraries & Frameworks

React, Next.js, Gatsby, React Native,

Angular 2+, Vue JS, Tailwind, Redux,

Storybook

### Tools & Platforms

Git, GitHub, Bitbucket, NodeJS, Jira,

Webpack, MySQL, Firebase, MS SQL Server,

Google Cloud Platform

## Interest

Watch Movies, Anime, Manga, Video Games

and Have fun with family

## Profile

Experienced web developer with over 10 years of experience in cutting-edge web technologies. Specializing in creating exceptional user experiences, I excel in developing web applications using HTML5, CSS3, and JavaScript, along with frameworks such as React JS, Redux, and Angular. With a strong focus on technical excellence, I am passionate about staying up-to-date with the latest trends and tools in web and mobile development. I am an enthusiastic collaborator with strong communication skills and a solid work ethic, always ready to take on new challenges to contribute to the success of the company.

## Relevant Experience

### Globaltranz

March 2022 – Present

Sr. Frontend Developer

- Successfully contributed to a React.js application project based on micro-frontends, adding new features, providing support to backend developers, fixing bugs, and implementing a platform redesign.
- Developed high-quality components and applications in React.js, ensuring adherence to project standards and compliance.
- Played a key role in integrating various system components, leveraging appropriate tools and technologies to ensure scalability and optimal performance.
- Actively participated in daily Scrum meetings, demonstrations, and retrospectives, ensuring effective project progress and success.
- Collaborated closely with fellow developers, QA members, and UI/UX team members to foster effective collaboration and deliver high-quality solutions.
- Maintained a high level of code quality through the implementation of unit testing and regular code reviews.
- Fostered a positive and collaborative work environment, promoting creativity, support, and commitment to the success of the project.
- Utilized a diverse range of languages, technologies, and tools, including HTML5, CSS3, JavaScript, Git, React, Hooks, Custom hooks, Testing library, Redux Toolkit, Storybook, Webpack, and Node.

### Research Solutions

January 2017 – March 2022

Tech Lead

Sr. Frontend Developer

- Led a React application project that integrated Office JS, connecting Microsoft Word customers to their accounts and facilitating the inclusion of bibliographies and citations in Word documents.
- As a tech lead, developed, tested, and verified user cases, bugs, and defects in each release, ensuring agile project success through effective planning, daily meetings, reviews, and retrospectives.
- Structured the React application using best practices, focusing on scalability and implemented CI/CD.
- Successfully migrated AngularJS apps to React.js, providing an enhanced user experience following Google's decision to stop support for AngularJS.
- Worked with REST APIs from various sources, such as NCBI and PubMed, and built and maintained APIs using Node.js (Express.js framework) and Python (Flask framework).
- Planned, developed, and released scientific and non-scientific apps to enhance the existing platform and generate new revenue streams.
- Collaborated closely with Devs, QA and Scientist teams to detect and resolve any issues or behavioral inconsistencies in different projects.

### MedicaVial

Aug 2013 – January 2017

Full Stack Developer

- Successfully led the complete migration of a legacy system based on Delphi to a modern web application using AngularJS, improving operational efficiency and user experience.
- Implemented a robust API using a local IIS server to connect the SQL Server database to the web application, enhancing data integration and management.
- Fostered the use of cutting-edge web technologies for the time, such as AngularJS on the frontend and PHP with MySQL on the backend, to create highly functional and efficient solutions.
- Developed an innovative medical supply inventory application that enabled precise control of supplies and optimized their usage in hospitals.
- Significantly improved the company's resource management by enabling clear visualization and early detection of medical supply shortages.
- Collaborated closely with different teams and departments to understand business requirements and ensure precise and tailored development aligned with the company's needs.
- Demonstrated leadership skills by guiding and directing the existing development team through the migration process and learning of new technologies, ensuring a smooth and successful transition.

### Atinet

July 2011 – Aug 2013

Developer

- Acquired strong skills in understanding and analyzing the business model of a company through software development.
- Provided efficient and effective support to a web application crucial for public accountants, improving its functionality and user satisfaction.
- Developed new and customized features for different clients, demonstrating adaptability and attention to their specific needs.
- Successfully implemented responsive design in the application, enabling optimal user experience on mobile devices and enhancing accessibility.
- Contributed to successful migration projects from Flash to HTML5, ensuring compatibility with the latest technologies and standards.
- Gained in-depth knowledge of databases by connecting the application to MySQL using PHP, improving data efficiency and management.
- Demonstrated problem-solving skills by resolving various performance issues, errors, and bugs in the existing application.
- Researched and applied new technologies to continuously enhance software development and stay up-to-date with industry trends.
- Developed a solid understanding of the business environment and the importance of software in supporting business operations and growth.