

NICOLAS PEREZ

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SENIOR SOFTWARE ENGINEER

Creative software engineer with 10 years of experience.

Especially, extensive experience in Blockchain development focusing on Web3.js and Solidity, and Frontend development focusing on React.js, Vue.js, and JavaScript/TypeScript. I am dedicated to building and optimizing user-focused applications for customers with variety of business goals. I like to take a proactive approach to analyze and formulate a solution.

STRENGTHS AND EXPERTISE

- PHP/C/C++/C#, JavaScript/TypeScript, HTML5, CSS, Bootstrap, Tailwind CSS, Material-UI
- React.js/Next.js, Vue.js/Nuxt.js, Angular, Redux, Vuex, Web3.js, Thress.js
- Node.js/Express.js/Nest.js, .Net, Python/Django, Ruby on Rails, Go
- RPC, REST API, FastApi, GraphQL, WebSocket
- MYSQL, SQLite, PostgreSQL, MongoDB, MSSQL, Redis
- Jest, Cypress Enzyme, Chai, Mocha
- Smart Contract Development, Solidity, Rust
- iOS Development, Swift, Objective-C, iOS SDK/Frameworks, Auto-Layout/Swift-UI, Networking/RESTful APIs, Xamarin, React Native, Dart/Flutter
- Git (Github/Gitlab/BitBucket), Bazaar
- Jira, Asana, Trello, Microsoft Azure DevOps, Basecamp
- Docker, Kubernetes, Amazon Elastic Container Service, Google Kubernetes Engine

PROFESSIONAL EXPERIENCE

AlphaPoint

Apr 2022 - Present

Full stack Blockchain Engineer

- Developed 11 decentralized social media web applications using ReactJS/NextJS, CSS, TailwindCSS/Material -UI and web3.js.
- Designed, developed, tested and deployed smart contracts on many networks such as Ethereum, BSC, Polygon, Harmony, Avalanche, etc.
- Reduced costs by 40% using an solidity smart contract to automate supply chain management processes.
- Implemented interactive and responsive charts and graph components using D3.js and Chart.js to visualize complex data and provide insights.
- Collaborated closely with UX/UI designers to create an engaging and seamless user experience, resulting in positive feedback and high user satisfaction ratings for the crypto wallet application.
- Wrote "off-chain" services to collect and send transactions within the TON blockchain using Node.js, TypeScript, and Highload Wallet.
- Implemented Websocket API to ensure real-time data transmission between systems and handled various APIs to fetch real-time coin data from Etherscan, Infura, CoinMarketCap, etc, and set RESTful API to store data to AWS RDS and DynamoDB.
- Mentoring 3+ developers into full-stack pros.

WorkWave
Full Stack Web3 Engineer

Jul 2019 - Nov 2021

- Connected the application to the Metamask using web3.js to enable sign-in and make a transaction in the application.
- Developed the gateway to be connected to the Blockchain network using Contract ABIs and Web3.js.
- Identified and enhanced code inefficiencies that led to a 33% increase in app stability within one month on the job.
- Enhanced a customer's website content ranking algorithm and front-end features, which increased user base and retention by 79%.
- Enhanced test coverage by over 98% using industry-standard tools such as Jest and Cypress Enzyme, while closely collaborating with the QA team to improve platform efficiency based on end-user feedback.
- Utilized NoSQL databases for efficient data storage and retrieval in decentralized applications.

Chetu
Full Stack Engineer

Mar 2015 - May 2019

- Improved the UI/UX of 20+ client websites and mobile apps with reusable and scalable frontends using React/Vue/WP and Swift/Objective-C/React-Native/Xamarin, etc.
- Improved user interfaces by updating menus to be more intuitive, attracting 5% more clients than the previous quarter.
- Managed state using React Hook, Redux Toolkit, and Redux-Saga, ensuring optimal performance and scalability of the application.
- Adapted various UI libraries and frameworks such as Chakra UI, Material UI, Bootstrap, Tailwind CSS, and SCSS, to create responsive and attractive web pages, increasing productivity and reducing development time.
- Optimized the frontend pages and SEO, using various tools and techniques, such as Google Analytics, Lighthouse, Webpack, etc., ranking higher on search engines.
- Developed enterprise SaaS applications, focusing on scalability, security, and maintainability.

EDUCATION

The University of Texas at Austin
Bachelor of Computer Science

Austin, TX
2014