

# Abhisek Nandy

## Senior Full Stack Engineer

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## Summary

Abhisek is a Senior Full Stack Engineer with extensive experience in designing, developing, and optimizing dynamic applications. He has led and contributed to projects that involve backend systems, API integration, frontend design, and data storage solutions, using technologies like Laravel, Node.js, ReactJS, Vue.js, Flutter, and Material UI. Abhisek is proficient in MySQL, PostgreSQL, MongoDB, and cloud platforms, with a strong focus on optimizing performance and creating scalable solutions through CI/CD pipelines.

Passionate about continuous learning, he stays updated on the latest trends and enjoys exploring new technologies. With a Bachelor's degree in Software Engineering from the University of California, San Diego, Abhisek is eager to apply his expertise to innovative and impactful projects.

## Work experience

### Senior Full Stack Engineer

2023-07 - 2024-12

#### Skyline Software System

- Designed and developed full-stack applications using Laravel, Node.js, and ReactJS, integrating front-end and back-end components to enhance system functionality and user experience, resulting in a 30% increase in application performance
- Implemented robust backend architectures in Node.js, PHP, and Python, optimizing system performance by 25% through effective coding practices and best practices
- Executed database management for MongoDB, MySQL, and PostgreSQL, optimizing queries that reduced data access times by 40%, significantly improving overall application performance
- Collaborated with cross-functional teams to design and integrate RESTful APIs, enhancing application UI/UX, which led to a 20% reduction in user-reported issues during the testing phase
- Spearheaded the adoption of modern frameworks like React, Vue.js, and Next.js, fostering innovation and enhancing user experiences across platforms, contributing to a 50% increase in user retention rate
- Developed mobile applications using Flutter and React Native for both iOS and Android platforms, achieving a 4.8-star rating in the app store with over 10,000 downloads
- Utilized CI/CD tools to automate deployment, streamlining release processes that accelerated delivery timelines by 35%, ensuring on-time project completion

### Senior Full Stack Developer

2021-09 - 2023-06

#### Nexovate

- Developed dynamic and responsive applications using JavaScript and Python, achieving a 30% improvement in load times and enhancing overall user satisfaction
- Utilized advanced programming techniques in both front-end and back-end development, promoting security and performance optimization that reduced vulnerabilities by 50%
- Led coding initiatives to design interactive web interfaces using VueJS and React Native, resulting in a 15% increase in user engagement metrics
- Collaborated with design teams to convert wireframes into functional applications, ensuring consistency with UI/UX standards and enhancing overall project outcomes
- Integrated third-party APIs to enhance application capabilities, resolving communication issues and providing scalable solutions that increased functionality by 25%

### Full Stack Developer

2020-06 - 2021-08

#### PixelCraft

- Reviewed and approved all front-end and back-end pull requests, ensuring adherence to coding standards, best practices, and security guidelines, while mentoring junior developers and reducing debugging time.
- Implemented server-side rendering with Nuxt.js and Next.js, significantly reducing page load times and improving SEO, contributing to a 30% increase in organic search traffic

- Designed and maintained scalable databases using MongoDB, PostgreSQL, and MySQL, optimizing query performance and ensuring data integrity.
- Implemented comprehensive testing strategies, including unit and end-to-end testing with Jest and Cypress, achieving high test coverage and ensuring application stability
- Worked with Kubernetes and AWS services (Lambda, S3, EC2) to manage cloud infrastructure and scale applications effectively.
- Demonstrated expertise in technologies like React, Vue.js, Next.js, Nest.js, Redux, MongoDB, and Cypress, contributing to the creation of reliable, scalable web applications

## Frontend Developer

2018-08 - 2020-04

### Infinitum Digital Studios

- Focused on the design and development of dynamic websites using HTML5, CSS3, and JavaScript, achieving a 20% increase in user conversion rates.
- Developed single-page applications (SPAs) using NuxtJS and NextJS, improving server-side rendering performance that led to a 40% enhancement in SEO rankings.
- Collaborated with back-end developers to integrate RESTful APIs, ensuring seamless data flow and interaction, which reduced system latency by 30%.
- Designed and implemented user-friendly web interfaces, conducting extensive UI/UX testing that enhanced user satisfaction scores by 25%.
- Led training sessions on coding standards and best practices for junior developers, fostering a culture of communication and collaboration within the team.

## Education

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### Bachelor's degree

2014-09 - 2018-06

### University of California, San Diego

- Specialized in software engineering, algorithms, and data structures
- Led projects involving web development and mobile application design during coursework

## Skills

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- **Languages:** JavaScript, Typescript, PHP, Python, HTML5, CSS, C/C++/C#, Java
- **Frameworks:** Angular, Vue.js, Redux, Vuex, Material, Ant Design, Next.js, Bootstrap, Django, Express.js, Nestjs, Laravel, Codeigniter, Spring
- **Libraries:** React, Stripe, Twilio, Firebase
- **Storages:** MySQL, NoSQL, MongoDB, GraphQL, PostgreSQL, Microsoft SQL, SQLite
- **API Development & Integration:** RESTful APIs, GraphQL, WebSockets
- **Cloud Platforms & Services:** AWS, Google Cloud, Docker, Kubernetes
- **DevOps & CI/CD:** Jenkins, Travis CI, CircleCI, GitLab CI

## Portfolio

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<https://abhiseknandy.github.io/portfolio>