# Abhisek Nandy

## Senior Software Engineer

Baltimore, MD  |  +1 360 584 6706  |  abhiseknandy21@gmail.com

## Summary

Results-driven **Senior Software Engineer** with **8+ years of experience** in designing and developing scalable web applications using **React, Angular, Vue.js, Node.js, PHP, and Laravel**. Adept at **cloud-based solutions (AWS, Azure)**, microservices architecture, and DevOps automation. Skilled in optimizing system performance, leading **cross-functional teams**, and implementing **AI-driven features** to enhance user engagement. Passionate about **mentoring junior developers**, improving **CI/CD pipelines**, and staying at the forefront of emerging technologies like **AI and blockchain**. Proactive in **agile methodologies**, ensuring efficient sprint planning and delivery of high-quality software solutions.

## Work experience

### SummitTech Solutions                                           2023-07 - 2024-12
**Senior Software Engineer**

- Developed **high-performance web applications** using **React.js, Next.js, Vue.js, and Angular**, improving UI responsiveness and load times by **40%**.
- Designed and implemented **RESTful APIs and GraphQL endpoints**, enabling seamless data integration across multiple services.
- Spearheaded **microservices adoption**, reducing server response times by **50%** and increasing system scalability.
- Optimized **CI/CD pipelines using Jenkins and Docker**, reducing deployment time by **70%**.
- Integrated **AI-driven features**, increasing **user engagement by 25%** through real-time data analytics.
- Mentored junior developers and conducted **code reviews**, leading to a **20% increase in team productivity**.
- Deployed scalable applications on **AWS (Lambda, S3, EC2)**, reducing infrastructure costs by **15%**.

### BlueRock Systems                                               2021-09 - 2023-06
**Senior Full Stack Developer**

- Designed and launched a **responsive web platform** using **React, Angular, and GraphQL**, increasing user engagement by **40%**.
- Developed a **serverless authentication system**, improving security and reducing login times by **30%**.
- Implemented database optimizations with **PostgreSQL and Redis**, decreasing query response times by **60%**.
- Led **cross-functional collaboration** with UX/UI teams to enhance user experience, resulting in a **20% lower bounce rate**.
- Built custom **Laravel-based CMS systems**, providing clients with tailored content management solutions.
- Automated testing with **Jest, Cypress, and Mocha**, ensuring 99.9% application uptime.

### NorthPoint                                                     2020-06 - 2021-08
**Frontend & Backend Developer**

- Built scalable, component-driven **React applications** with state management using **Redux and Context API**.
- Developed backend services with **Node.js and Express.js**, improving API efficiency and scalability.
- Integrated **AWS services (S3, DynamoDB, Lambda)** to enhance performance and security.
- Built custom **Laravel-based CMS systems**, providing clients with tailored content management solutions.
- Managed version control using **GitHub, GitLab, and Bitbucket**, enforcing **best coding practices**.

### EchoByte Digital                                               2018-08 - 2020-04
**Frontend Developer**

- Developed **modern, responsive UI components** using **React.js, Redux, and TailwindCSS**, improving UX consistency across platforms.
- Ensured **cross-browser compatibility** and accessibility, reducing frontend issues by **35%**.
- Optimized frontend performance by **lazy loading, code splitting, and leveraging Webpack optimizations**, decreasing load times by **50%**.
- Integrated **RESTful APIs and GraphQL queries** into frontend components for seamless data rendering.
- Collaborated with **UX/UI designers** to translate wireframes into functional, pixel-perfect applications.
- Built **custom WordPress themes** using PHP, improving website performance and SEO.
- Improved application security by implementing **OAuth, JWT authentication, and role-based access controls**.

## Education

### University of Maryland, Baltimore County                       2014-08 - 2018-05
**Bachelor's degree in Computer Science**

# Skills

## Frontend Developement

- React.js, Next.js, Redux, Angular, Vue.js
- TypeScript, JavaScript (ES6+), HTML5, CSS3, TailwindCSS
- Responsive Design, Cross-Browser Compatibility

## Backend & API Development

- Node.js, Express.js, PHP, Laravel, Django, Python, Ruby on Rails
- RESTful API Development & GraphQL Integration
- Microservices Architecture, WebSockets

## Database & Storage

- SQL (PostgreSQL, MySQL), NoSQL (MongoDB, Firebase, DynamoDB)
- Database Optimization, Caching (Redis, Memcached)

## Cloud & DevOps

- AWS (Lambda, S3, EC2, RDS, DynamoDB), Azure, Google Cloud
- CI/CD (Jenkins, GitHub Actions, GitLab CI/CD), Docker, Kubernetes
- Infrastructure as Code (Terraform, CloudFormation)

## Software Development & Collaboration

- Git/GitHub, Agile (Scrum, Kanban), JIRA, Code Reviews
- Security Best Practices & Data Protection
- Testing & Debugging (Jest, Mocha, Cypress, PHPUnit)

## Soft Skills

- Communication | Time Management | Problem-Solving | Teamwork
- Creativity | Organization | Conflict Resolution