

Prasanna Nimbalkar

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Education

Master of Science, Information Systems | **Northeastern University, Boston**

Sep 2021 – Dec 2023

Bachelor of Engineering, Electrical and Electronics | **Anna University, India**

Aug 2014 – Jul 2018

Skills

Languages: JavaScript, Java, Python, HTML5, CSS3

Frameworks: React.JS, Node.js, TypeScript, Next.js, Redux, Express, REST API, RTK Query, Bootstrap, SASS, Webpack, Microservices, Angular, Spring Boot, Spring MVC, Hibernate, Git, GitHub Actions, GraphQL, Pandas, Mocha, Jest, Cypress, Selenium

Database: MongoDB, MS SQL, PostgreSQL, DynamoDB, MySQL, RDS, NoSQL, Oracle, SQLite

Cloud: AWS (EC2, ELB, CloudWatch, Auto Scaling, Lambda, SNS, S3, DynamoDB, RDS, IAM, Route53, Cloud Formation, Elastic Beanstalk), Netlify, GitHub Pages, Terraform, HashiCorp Packer, Jenkins, Azure, Docker, Kubernetes, DevOps, continuous integration

Tools: Apache Tomcat, IBM WebSphere, Linux, Figma, Monday, Agile, software development lifecycle (SDLC)

Certifications: [Oracle Java SE 8](#) , [AWS Solutions Architect](#)

Work Experience

Software Developer (intern) | **Lake Homes Realty, USA**

Jan 2023 – Aug 2023

- Developed 12+ **React/NextJS** UI components, boosting efficiency by 30% and ensuring consistency across multiple apps
- Resolved cross-browser issues by refining **CSS** and using Media Queries and Polyfills, ensuring consistent website functionality
- Implemented **GraphQL** for efficient data querying, reducing over & under-fetching issues, which led to a 25% reduction in **API** request times.
- Employed **GitHub Actions** for seamless updates and conducted automated unit tests, boosted user engagement via **A/B testing**
- Streamlined backend services by seamlessly integrating **REST APIs** and implementing **RTK queries**, optimizing database procedures, and enhancing frontend-backend communication, resulting in a seamless user experience with 40% faster load times

Software Developer | **Tata Consultancy Services, India**

Jul 2018 – Aug 2021

- Directed the design and launch of 5+ responsive web apps using **React & Typescript**, emphasizing user-centric interfaces
- Spearheaded the migration to **AWS**, leveraging **VM Import/Export** for smooth VM transitions and **AWS Storage Gateway** for integrated hybrid cloud storage, resulting in a 20% enhancement in business availability and operational efficiency
- Collaborated with clients to identify and resolve issues, while harnessing their insights to craft tailored portal solutions
- Managed Domino mail servers for optimal communication and devised an internal file-sharing portal, streamlining team collaboration and data access using **IBM WebSphere**
- Created **Python selenium** script to minimize manual testing by 75% in a **test-driven development**
- Crafted wireframes and mockups using **Sketch** and **Figma**, enhancing clarity and design discussions
- Solved multiple high priorities tickets before the deadline & Optimized **SQL queries** and improved running time by 18%

Projects

SkyDrive: Efficient File Storage Solution on AWS Cloud | *NodeJS, AWS, CI/CD*

Sep 2022 – Dec 2022

- Engineered a **NodeJS** API on **AWS EC2** with **S3** integration for document management and achieved seamless **CI/CD** automation through **GitHub Actions** and **AWS CodeDeploy**
- Designed scalable **AWS** infrastructure using **CloudFormation** and enhanced user validation by integrating **AWS Lambda** functions with **SNS** and **SES** for verification. Utilized **HashiCorp Packer** to create and deploy customized AMIs for efficient software delivery

FlyUS: Airline Booking Platform | *Spring Boot, Hibernate, CI/CD* |

Feb 2022 – May 2022

- Engineered a comprehensive flight booking system using **Spring Boot** and **Hibernate**, integrating various components such as search, reservation, payment, and user management
- Employed **MVC** principles and implemented secure user authentication and profile management

Telemedicine app | *EC2, CI/CD, Jenkins, RDS* |

Feb 2022 – May 2022

- Leveraged GitHub Actions to create CI/CD workflow and Jenkins to deploy a telemedicine app on Amazon EC2 instance
- Deployed CloudFront, RDS, and S3 services for seamless platform content access, scalability, and reduced latency

Online Retail Application | *Spring Boot, Spring Cloud, Microservices*

Aug 2023 – Oct 2023

- Conceptualized and developed an online shop using **Spring Boot** and **Spring Cloud**, encompassing services like product cataloging, order processing, real-time inventory verification, and automated email notifications
- Elevated the system's **architecture** by seamlessly blending vital patterns such as **Service Discovery**, **Centralized Configuration**, and **Event-Driven Interactions** for cohesive **microservices** operation