







Byndoor Athrey Navda (he/him)

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Education

George Mason University

01/2023 - 12/2024

Master of Science, Computer Science | GPA: 3.6 / 4.0

Fairfax, Virginia

Coursework: Data Structures, UI Design and Development, Database Systems, Project Management, Software Testing.

Visveswaraya Technological University

08/2015 - 07/2019

Bachelor of Engineering, Information Science

Belgaum, India

Technical Skills

Programming Languages: JavaScript, TypeScript, Python, Ruby, C#, Java, PHP, C++.

Frontend Development: React, Next.js, Redux, Angular, React Native, jQuery, WordPress. **Version Control:** Git(GitHub)

Backend Development: Node.js, GraphQL, Flask, SpringBoot, Maven, Swagger, JSON, XML, REST APIs, WebSockets.

Databases: SQL (MySQL, PostgreSQL, Oracle), NoSQL (MongoDB), MariaDB, Firebase, Supabase. **Data Visualization :** Chart.js.

Cloud computing: AWS (S3, ELB, Aurora, EC2, ECS, CloudWatch, CloudFront, IAM, SES, DynamoDB), GCP, Azure.

Containerization: Docker, Kubernetes. **Agile Methodology:** Jira, Confluence, Trello (Atlassian Tools) | Scrum, Kanban.

CI/CD & Testing automation tools : Jenkins, Postman, Cypress, Jest, Mocha, JUnit, JMeter. **Design:** Figma, Canva, Adobe.

Soft Skills: Time Management and Organization, Problem-solving, Verbal and Written communication skills, Detail-oriented.

Experience

IFEES and GEDC

United States

Software Developer

08/2024 – present

- Spearheading the full stack development of a platform services (CRM) using **React, TypeScript, Python** for 1,000+ users.
- Architected backend services with **Flask and PostgreSQL**, improving **API response** times by 25%.
- Leveraging **LangChain, Tensorflow, Elasticsearch & Redis** to deliver better search functionalities with less latency.
- Implemented **Kafka**-based real-time messaging for seamless user interactions and notifications.
- Optimized frontend performance using **Webpack, CDN &** advanced image optimization techniques, reducing 35% load time.
- Managing the team across **different timezones** and while adhering SDLC coding standards for these digital products.

ClayWorks Spaces Technologies Pvt Ltd

Bengaluru, India

Software Engineer II

06/2022 – 01/2023

- Implemented algorithm design in a book anything system a secured, scalable **SaaS** solution with 4 level user interface.
- Led the frontend development using **React, Next.js, TypeScript, ES6+, DOM manipulation, Tailwind** and **Chart.js**.
- Expert in state management, API integrations using **Redux, Redux-thunk, Axios, Python, Flask**, and **MySQL with ORM**, enhancing responsiveness by 40%, while handling **asynchronous actions, middleware integration, websockets**.
- Utilized **Cypress & Mocha** for **automation testing** (TDD), Postman for API testing ensuring code quality in development.
- Established **CI/CD** pipelines for the microservices using **Jenkins** achieving 60% reduction in manual deployment effort.
- Reduced application loading time by 30% through optimization techniques such as code splitting, lazy loading, memoization, debouncing, and caching, while utilizing **Chrome DevTools** and **DataDog** for debugging and performance monitoring.
- Collaborated using **Confluence** with **UX**, sales, & marketing to improve product features which boosted revenue by 25%.
- Directed **scrum** meetings, **mentored** juniors & conducted source code review, reduced timeline by 10% and led to early launch.

Software Engineer

09/2019 – 06/2022

- Designed a technical architecture for multi-interface inventory management system with React, Node.js, **GraphQL**, and **MySQL**, featuring role-based access control, automated stock updates, & analytics, reducing wastage by 36% across 10 centers.
- Innovated smart work-pod solution Spotch with **IoT** integration aligning with regulatory compliance user safety standards.
- Orchestrated the software development life cycle with **Jira**, from software architecture & design patterns (**MVC**) to deployment.
- Implemented the frontend using **React & MaterialUI**, the backend with **Java SpringBoot**, and implemented real-time **WebSocket** notifications with **Firebase**. Furthermore, integrated mobile software development with **React Native**.
- Managed the end-to-end integration of new web services into legacy **C#** systems, ensuring compatibility and functionality.

The Valley Bootcamp

Bengaluru, India

Software Engineer Intern

06/2018 – 08/2018

- Designed a **serverless** architecture using **AWS Lambda**, achieving cost efficiency while reducing application latency by 30%.
- Optimized real-time state management with **DynamoDB**, cutting latency by 50% through efficient indexing and queries.
- Integrated **Alexa Skills Kit, LLM** with **AWS Lambda** for seamless voice commands, enhancing user interaction and feedback.

Projects

RapidCloudify | *React, Python, Ansible, Kafka, OpenAI, Nginx, Apache, Terraform, DevOps, GCP, Azure* 11/2023

- Spearheaded web development of a **no-code deployment** platform supporting 20+ tech stacks, reducing manual effort by 70%.
- Automated provisioning of **AWS services** like Load Balancers, S3, and EC2 with IaC using Ansible, cutting setup time by 60%.
- Designed **reverse proxy** architecture for seamless multi-stack deployments, **enhancing** system reliability and scalability.
- Achieved 99.9% uptime by innovating CI/CD pipelines with GitHub Webhooks and Bitbucket, **eliminating** reliance on Jenkins.
- Optimized backend efficiency by 40% through the integration of the OpenAI API to streamline user input analysis.

Ticket management App | *Angular, Python, JWT, OAuth, HTML, Bootstrap, SASS and Socket.io* 07/2024

- Developed an open source app with 3 interfaces (user, support, admin), integrating **AWS RDS** for data management.
- Enhanced security and functionality by implementing **JWT, OAuth, and API** endpoints for efficient **CRUD** operations.
- Streamlined real-time updates with **Socket.io**, ensuring instant **notifications** and **improved user engagement**.