Byndoor Athrey Navda (he/him)

🌎 United States ✉ bnavda@gmu.edu 🔗 byndoor-athrey-navda 🐙 athrey-navda 💼 Portfolio 📞 +1(571)-921-0917

Education

George Mason University	**Expected 12/2024**
Master of Science, Computer Science | GPA: 3.7 / 4.0	Fairfax, Virginia

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

Visveswaraya Technological University	**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, Trello (Atlassian Tools) \| Scrum, Kanban (Frameworks).

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 **Next.js, Python & Flask** for 1,000+ users.
- Leveraging **REST APIs**, **Elasticsearch**, **LLM** and **Redis** to deliver enhanced, better search functionalities with less latency.
- 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 implementation using **React, Next.js, Redux, Tailwind, Headless UI** and **Chartjs** for visualization.
- Expert in state management, API integrations using **Redux, Redux-thunk, Axios, Node.js, Express.js,** 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.
- Orchestrated the software development life cycle with **Jira**, from software architecture & design patterns **(MVC)** to deployment.
- Reduced applications loading time by 30% through optimization techniques like **code splitting, code re-factoring, lazy loading, priority, memoization, reduced re-renders, dependency optimizations, debounce** and **throttling**.
- Collaborated cross-functionally 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.
- Delivered the SaaS solution to five clients, customizing features, coordinating client calls, and ensuring timely deployment.

Software Engineer	**09/2019 − 06/2022**

- Designed a technical architecture for multi-interface inventory management system with Node.js using **Node-Fetch**, 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.
- Implemented the frontend using **React**, the backend with **Java and SpringBoot** (managed via **Maven**), and implemented real-time **WebSocket** notifications with **Firebase**. Furthermore, integrated mobile software development with **React Native**.
- Managed the end-to-end integration of new technology stacks into legacy **PHP** systems and other web development.

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 | *Nextjs, Python, Ansible, Kafka, OpenAI, Docker, Kubernetes, DevOps, AWS, GCP, Azure* **11/2023**

- Spearheaded 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 cloud infrastructure costs by 40% using Docker, Kubernetes, and other integration for efficient resource allocation.

Ticket management App | *Angular, Node.js, JWT, Oauth, HTML, CSS and Socket.io* **07/2024**

- Developed an open source app with 3 interfaces (user, support, admin), integrating MongoDB 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.