

# Aneesh Reddy Dasari

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## PROFESSIONAL EXPERIENCE

### Software Engineer, Braven Technologies

July '24 – Present

- Developed and maintained complex distributed systems using microservices architecture, implementing scalable APIs handling over 1000 requests per day.
- Built and optimized RESTful backend services with Java and Spring Boot, integrating with RDBMS to efficiently process and store millions of records per month, reducing query time by 30%.
- Designed and deployed containerized applications using Docker and Kubernetes, supporting 50+ microservices and achieving 99.9% uptime in production.
- Implemented event-driven workflows using Kafka queues and connectors to transfer and synchronize up to 1 million messages per day across multiple services and persistent stores.
- Automated build, test, and deployment pipelines in Jenkins, reducing release time by 40% and eliminating manual deployment errors for backend and frontend artifacts.

### Software Engineer, United Health Group (Optum)

June '22 – July '23

- Built internal dashboards using React, TypeScript and Next.js, improving operational visibility and reducing manual reporting by 50%.
- Developed RESTful and SOAP microservices in Java and Python, enabling secure data exchange for 10,000+ daily API calls.
- Built AWS Lambda based pipelines with DynamoDB and S3, reducing latency by 35% and improving observability with CloudWatch.
- Containerized and deployed services using Docker and Kubernetes, ensuring high scalability and reliability across environments.
- Optimized PostgreSQL and Snowflake queries to handle high-throughput workloads, reducing query time by 40%.
- Automated CI/CD with GitHub Actions and Terraform, reducing release effort by 80% and enabling zero-downtime deployments.
- Significantly improved test coverage to 85% using PyTest and JUnit, cutting post-release bugs by 30%.

### Software Engineer, Hewlett Packard Enterprise (HPE)

June '21 - May '22

- Migrated legacy frontend to Next.js App Router and Redux, improving routing speed by 40% and reducing load time from 2.5s to 1.5s, while maintaining seamless state management.
- Optimized backend ingestion and storage using MySQL, MongoDB, and Celery, improving response time by 30% and leveraging efficient C++ data processing modules.
- Automated AWS infrastructure provisioning and deployment with Terraform, Docker, and Kubernetes, reducing setup time from 4 hours to 30 minutes and ensuring scalable, containerized environments.
- Enhanced QA automation with Jest, Cypress, and GitHub Actions, lowering regression defects by 40% and ensuring continuous integration coverage.

## PROJECTS

### Destinova | React.js, Next.js, MongoDB, JavaScript, HTML, CSS, REST API, UI/UX Design, Machine Learning, Vercel, Git, Agile Development

Jan '25

- Developed a full-stack travel recommendation platform using genome-based categorization and similarity algorithms; empowered users to explore 100 personalized destinations based on climate, activities, and budget preferences, resulting in 2500 weekly active users.
- Architected end-to-end React + Next.js applications, integrating real-time collaboration and ML-enhanced features.

### CodeCanvas | TypeScript, Next.js, Clerk, Convex, Liveblocks, React.js, WebSockets, Collaboration Tools, HTML/CSS

Jun '24

- Addressed the need for seamless remote collaboration by building a real-time web app with integrated code editor, whiteboard, and text tools using Liveblocks and Convex, enabling user organization and collaborative coding via Clerk, TypeScript and Next.js, with exploratory work on ML-powered sketch assistance, supporting concurrent edit for upto 10 users per session

### LLM-Powered Report Generator | Java, Spring Boot, REST APIs, LLMs, Prompt Engineering, Time-Series Analysis

Jan '24

- Built a LLM-based summarization service using Spring Boot/REST APIs to convert time-series forecasts into natural language reports.

## TECHNICAL SKILLS

**Programming:** Python, Java, JavaScript, Nodejs, Typescript, React, HTML, CSS, C

**Database:** PostgreSQL, MongoDB, MySQL, PL/SQL

**Libraries/Framework/Tools:** React.js, Node.js, Django, Spring Boot, Git, Jenkins, JIRA, Postman, Docker, JUnit, Selenium, Kafka

**Cloud Technologies:** Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP), Google Cloud (Vertex AI, Cloud Functions, BigQuery), AWS (S3, Lambda, SageMaker), Azure ML Studio

**Development Practices:** Full-stack development, CI/CD, Automation, TDD, Design Patterns, Agile, SDLC, SOLID, and Code Reviews

## EDUCATION

Master's in computer science – University at Albany, SUNY |

Aug '23 - May '25

Bachelor's in Electronics and Communication Engineering – Shiv Nadar University |

Aug '18 - May '22