Nithin Bharadwaj Dornipadu

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EXPERIENCE

New York Life R&D Labs Remote, NY
Cloud Software Developer Intern Jun 2022 - Dec 2022

- Spearheaded a team of three to enhance an insurance web application used by 20,000+ agents, focusing on improving the onboarding process and boosting agent productivity by 50%
- Engineered 20+ RESTful APIs using Java Spring Boot, resulting in reduction of onboarding time from 25 to just 13 minutes, enhancing operational efficiency and user satisfaction
- Steered the Agile SDLC, advancing 5+ services through analysis, design, implementation, testing phases
- Implemented a caching strategy with PostgreSQL and Spring, improving backend API latency by 20% during peak traffic
- Spearheaded POC initiatives for scaling and transitioning to a microservices setup, aiming to increase system resilience by 40% and accelerate feature rollout by 20%

Netradyne (Microsoft, Softbank funded Vision Analytics Startup) Bangalore, India
Senior Software Engineer (Youngest member to be promoted to Senior Software engineer) Jan 2018 - Jun 2021

- Designed and implemented a multi-tenant anomaly detection framework serving 100+ tenants, streamlining the detection of faulty devices and saving over 1000+ man-hours monthly through automation
- Achieved 95% accuracy in malfunction detection by processing approximately 100GB of data daily, utilizing ETL pipelines and PySpark to handle around 100 million records
- Established a robust data warehousing process, integrating aggregated data from S3 into a PostgreSQL database, and automated customer escalation/response system, saving 500+ man-hours monthly
- Enhanced operational efficiency by 10% by developing web application to monitor 10+ KPIs across all product lines
- Optimized data visibility and reduced operational overhead by 20% through collaboration with the DevOps team by deploying ELK cluster on IoT logs

PROJECTS

- **WikiPulse (Tech: React, Kafka, Java Spring Boot, PostgreSQL)(May '23)**:
  - Developed WikiPulse to track and visualize over 1,000 daily Wikipedia edits in real-time, utilizing Spring Boot, Kafka, and React to display live edits across 10+ categories on a local dashboard
  - Designed middleware components, resulting in a 15% codebase reduction, and coupled Spring Boot with WebSockets for sub-3-second latency in real-time data display

- **Swift Cart (Tech: AWS, Terraform, Packer, Node.js, Express.js)(May '23)**:
  - Engineered an e-commerce website using Node.js and Express.js, and orchestrated infrastructure on AWS (including EC2, RDS, Route53, Load Balancer, and auto-scaling) using Terraform and Packer
  - Established a CI/CD pipeline using GitHub Actions, reducing deployment time by 50%, and enhanced security through KMS keys and security groups, managing and updating 3+ domain names seamlessly

- **MediPlan Manager (Tech: Spring Boot, Oauth2.0, Redis, ELK, RabbitMQ)(May '23)**:
  - Developed "MediPlan Manager", a medical plan management application, integrating Spring Boot REST API, Redis Cache, and RabbitMQ, enhancing system performance and data flow
  - Boosted the application's responsiveness by 50% through HTTP caching with eTAGs and Redis Cache, and utilized the ELK Stack to enhance full-text search capabilities, securing the system with JWT Auth Tokens

SKILLS SUMMARY

- **Programming & Scripting**: Python, Java, JavaScript, TypeScript, Shell Scripting
- **Web & Backend Development**: Bootstrap, AngularJS, React.js, FastAPI, Node.js, Express.js, Spring Boot, Spring MVC
- **Big Data & Database Management**: Apache Kafka, Apache Spark, RabbitMQ, Hadoop, Airflow, PostgreSQL, MySQL, Cassandra, MongoDB, Oracle, Redis
- **DevOps, CI/CD & Version Control**: Docker, Kubernetes, Jenkins, Github Actions, Terraform, Packer, Git, Jira, Maven
- **Monitoring, Logging & QA Tools**: Datadog, ELK Stack, AWS CloudWatch, Jest, Testcontainers, Sonar, Junit, Mockito
- **Certifications & Software Tools**: AWS Developer Associate, MS Excel, Tableau, Prometheus, MySQL Workbench

EDUCATION

Northeastern University - College of Engineering Boston, MA
Master of Science in Information Systems Aug 2023

Manipal Institute of Technology Manipal, India
Bachelor of Technology in Information Technology Jun 2018