AMEYA VINAY APTE

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EDUCATION

Master of Science in Information Systems, *Northeastern University***, Boston, MA**   *Aug 2024*
Courses: Networking & Cloud Computing, Big Data & Distributed Systems, UI/UX & Testing, Design Pattern, Data Structures & Algorithms

Bachelor of Technology in Electronics and Telecommunication, *Veermata Jijabai Technological Institute (VJTI), India*   *May 2017*
Courses: Object Oriented Design, Operating Systems, Blockchain, Computer Science, Statistics, Embedded Systems, Robotics, Computer Vision

CERTIFICATION

AWS Certified Solutions Architect Associate | Amazon Web Services   *Mar 2024*

TECHNICAL SKILLS

Programming Languages	Java, Python, Shell, C#, Golang, HTML, CSS, JavaScript, TypeScript, GraphQL
Web Frameworks and Libraries	Spring Boot, React.js, REST, .NET, Node.js, Express.js, Bootstrap, Hibernate, Maven, Airflow
Databases	MySQL, MS SQL Server, MongoDB, PostgreSQL, DynamoDB, Redis, RDS, Snowflake, Pinecone
Software/Tools	Docker, Kubernetes, Git, Jenkins, Ansible, Grafana, Kafka, Splunk, Linux, ELK, ArgoCD
Cloud	AWS, Azure, GCP, CI/CD, Packer, Terraform, Linux, Unix, Prometheus, JUnit

WORK EXPERIENCE

DevOps and Data Science Teaching Assistant, *Northeastern University***, Boston, MA**   *Jan 2024 – Jun 2024*
- Helped 15+ students create and containerize .NET, Spring Boot, Flask, Golang applications & orchestrate them using Kubernetes
- Guided students in using Terraform for IaC for Azure/AWS services and use Prometheus, Grafana for monitoring & telemetry
- Designed case study assignments to assist students learn about GraphQL, Kafka, Ansible, Splunk, Jenkins, Consul, ELK and ArgoCD

Cloud Engineer Co-op, *PipeIQ (Startup), Palo Alto, CA*   *Sept 2023 – Dec 2023*
- Led cross functional team to migrate 15+ AWS Lambda's to scalable Microservices for supporting multi-tenancy and RBAC
- Leveraged Next.js to develop full stack product features and improved the customer engagement & sales by 65%
- Used AWS services and GenAI to develop 10+ RESTful API's & worked on integration of ML engine into full stack application

Software Engineer – Financial Services, *PricewaterhouseCoopers (PwC), India*   *Jul 2021 – Jul 2022*
DevOps Engineering (Insurance Industry):
- Led the development of 30+ REST API's using Spring Boot and DynamoDB as a part of on-premise to cloud API migration
- Performed strategy planning and timeline management leading to an 18% increase in overall revenue
- Delivered 20+ microservices using full software development life cycle (SDLC) and agile methodology
- Improved the modularity and scalability of endpoints by 80% utilizing distributed module development
- Devised business rules using Spring EL for 15+ insurance products currently in use by over 2 million customers

Data Engineering (Private Bank):
- Performed ETL and built data pipelines to integrate core banking and CRM systems thereby improving system efficiency by 85%
- Managed technical documentation such as system documentation, training materials, processes and procedures

Business Analyst Intern – IT, Data and Analytics, *Wellness Forever Medicare Pvt. Ltd.***,** Mumbai, India   *May 2020 – Jul 2020*
- Conducted end-to-end testing for hyperlocal delivery model to improve 'Perfect Order Percentage' by 80%
- Executed data-driven client acquisition initiatives, achieving a 20% reduction in reconciliation cycle time

PROJECTS

AI Meal Planner | Python, FastAPI, Streamlit, Snowflake, Airflow, Docker, GCP, RAG, Pinecone, Google Gemini, Hugging Face
- Developed a user-friendly interface for meal planning, calorie tracking & meal suggestions with data visualization capabilities

Northeastern University Job Board | MongoDB, Express, React, Node.js, Redux, Bootstrap, MVC, DigitalOcean, scp, shell scripting
- Designed a mobile friendly (responsive) UI using React.js and deployed it to Digital Ocean Droplet
- Integrated payment gateway to trace Payment processing, improving customer engagement and security by 15%

Cloud-Native Inventory Management | Java, Spring Boot, MySQL, AWS, Terraform, Packer, CI/CD, DNS, IaC, ORM (Hibernate)
- Orchestrated GitHub Actions CI/ CD pipeline with Packer-based custom AMI creation and application deployment
- Implemented Infrastructure as Code with Terraform to provision EC2, VPC, RDS, S3, load balancer (ELB) & Launch Templates

Design Portfolio | Information Architecture, Figma, Balsamiq, Usability Testing, Design System, User Persona, SWOT analysis
- Designed mobile applications using low fidelity wireframing tools to high fidelity prototype tools – Sample Case Study