Amulya Yakkala

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Education

University of Texas at Arlington	Jan 2022 - May 2024
Master of Science in Computer Science	*Texas, USA*
G Narayanamma Institute of Technology and Sciences	May 2018 - Dec 2022
Bachelors in Information Systems	*Hyderabad, India*

Work Experience

Stealth Startup — May 2024 – Jul 2024
FullStack Developer — *Newyork, USA*
- Designed AI features with TensorFlow and PyTorch, enhancing workflow efficiency.
- Architected microservices with Node.js and Express, ensuring 99% uptime for 15+ API requests
- Led real-time 3D CAD visualization with Three.js, increasing user engagement.
- Minized AWS infrastructure with Terraform, resulting in a 20% cost reduction and improved performance.
- Implemented CI/CD with GitHub Actions, streamlining deployments reducing errors by 70%.

Micron Technologies — May 2022 – Dec 2022
Software Engineer — *Hyderabad, India*
- Design, build, maintain 15+ RESTful APIs with Node.js and Express, ensuring seamless integration.
- Optimized MongoDB queries and integrated Redis caching, High performant software services times by 50%.
- Containerized applications using Docker, achieving 99.99% uptime on AWS ECS.
- Automated build and deployment processes with Jenkins CI/CD pipeline, reducing errors by 60%.

The Spark Foundation — Oct 2020 – Apr 2022
Backend Developer — *Hyderabad, India*
- Developed web applications with HTML, CSS, and TypeScript/JavaScript, enhancing user interfaces.
- Collaborate with UX team,met 95%+ of business specifications.
- Managed and optimized Docker, Kubernetes issues, improving data retrieval efficiency by 40%.
- Debugged and resolved 50+ front-end (React) and back-end component issues,Robust, maintainable, reusable code improving performance by 20%.

Projects

Full Stack E-commerce Platform | *React (Next.js), Node.js (Express), Tailwind CSS, MongoDB, Redis, Stripe, WebSockets*
- Developed an e-commerce platform with React (Next.js) and Node.js (Express).
- Created 25+ RESTful APIs for product management, authentication, with 95%+ API response time under 300ms.

Social Media Dashboard | *Vue.js, Django, D3.js, Chart.js, Django REST Framework, OAuth 2.0, Celery*
- Built backend 20+ APIs with Django REST Framework, processing data from 5+ social media platforms.
- Implemented OAuth 2.0 for secure authentication with multiple social media platforms.

Technical Skills

Languages: JavaScript (ES6+), TypeScript, Python, Java, C++
Front-end: React.js, Next.js, Vue.js, Angular, HTML5, CSS3, Tailwind CSS
Back-end: Node.js, Express.js, NestJS, Django, Spring Boot
Databases: PostgreSQL, MongoDB, Redis, Elasticsearch, SQL
Cloud & DevOps: AWS (ECS, Lambda, S3), Docker, Kubernetes, Terraform
Testing & QA: Postman, Jest, Cypress, Selenium, JUnit
Other: GraphQL, WebSockets, OAuth 2.0, JWT, AI, Machine Learning, JIRA

Achievements

- Tapia Scholarship Awardee (sole recipient from entire college)
- Graduated Masters with Distinction (highest academic honor)
- Best Undergrad Student Awardee (with full tuition fee waiver)
- One of Top 10 Finalist in Walmart Women's Coding Competition (nationwide)