

Ruchitha Podhili Jayachandra Naidu

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Full-Stack Software Engineer building scalable, cloud-native, AI-integrated applications across **TypeScript and Python** using **React, Next.js, Node.js, Django, FastAPI, PostgreSQL, and AWS (Lambda, EKS, S3, Cognito)**. Led a **Vue 2 → Vue 3 + Node.js modernization** lifting developer productivity, and architected an **AI-powered vendor onboarding pipeline** with **OpenAI API, RAG, and pgvector embeddings**.

Certifications : **AWS Certified Cloud Practitioner | AWS Certified AI Practitioner | AWS Certified Developer Associate**

Work Experience

Full Stack Developer II

Aug 2024 – Present

Contracts and purchasing - NAU

Flagstaff, AZ

- Shipped a **React, Django, FastAPI, PostgreSQL** platform replacing a legacy system across **500+ contracts and 150+ vendors**.
- Built an **LLM layer with RAG (pgvector embeddings), structured JSON-schema prompts, and confidence-scored routing** to human review - cutting hallucinations and improving field-extraction accuracy across **20+ document types**.
- Architected an AI-augmented vendor onboarding pipeline on **AWS S3 + OpenAI API** that OCR-parses and classifies vendor documents, populates **20+** normalized fields with confidence-scored outputs, and drafts human-in-the-loop emails — eliminating **80%** of manual data entry and **compressing approval SLAs**.

Full Stack Developer

Aug 2022 – Aug 2024

SpeakUp B.V

Bangalore, India

- Led the migration of the core frontend from **Vue 2 → Vue 3 with TypeScript** and modernized **Node.js backend services** alongside it, lifting developer productivity **30%**, cutting build times **40%**, and reducing production bundle size **25%**.
- Architected scalable, cloud-native SAAS infrastructure on **AWS (EC2, Lambda, S3, EKS, API Gateway, CloudFront, CloudWatch)** with **Docker on Kubernetes**, achieving **99.9% uptime** and reducing average API latency by **45%**
- Served 500 K requests/day across 20 K users, Participated in on-call rotation; reduced MTTR by **90%**
- Hardened security by implementing distributed systems, **IAM least-privilege roles, AWS Cognito with JWT/OAuth 2.0 flows, RBAC, and audit logging**, supporting SOC 2-aligned controls across all services.

Software Developer

May 2021 – July 2022

ACIK Enterprises (OPC) Pvt Ltd

Bangalore, India

- Developed and tested **25+ high-performance RESTful APIs**, achieving **99%** test coverage and reducing production defects by **35%**.
- Engineered dashboards with optimized **SQL** cutting report latency **30 min → under 2 min** and reporting overhead **60%**
- Built a reusable input validation that reduced repetitive logic by **40%**, improved API response consistency by **30%**,

Technical Skills

Languages : TypeScript, JavaScript, Python, Java, C++, C, Go

Frontend : React.js, Next.js, Vue.js (Vuex, Nuxt), Angular, Redux, HTML5, CSS3, Tailwind CSS, Sass, Material UI, Vuetify, Responsive Design, Web Accessibility (WCAG), Jest, Vite

Backend : Node.js, Express.js, NestJS, Django, FastAPI, Flask, REST APIs, GraphQL, Microservices, Spring Boot WebSockets, Memcached, AWS Lambda (Serverless), Kafka, RabbitMQ, AWS SQS, Swagger/OpenAPI, Postman, JWT, OAuth 2.0, Rate Limiting, Helmet, CORS, Input Validation

Cloud : AWS, Azure, Docker, Kubernetes, Helm, Terraform, GitHub Actions, Jenkins, GitLab CI/CD, Linux/Unix Bash/Shell Scripting

Databases : PostgreSQL, MySQL, MongoDB (NoSQL), Redis, AWS RDS, AWS DynamoDB, pgvector (Vector DB), TypeORM, Prisma, SQLAlchemy, Django ORM, SQL, Schema Design, Indexing, Query Optimization & Performance Tuning, Database Migrations (Alembic, Prisma Migrate, Django Migrations) ACID Transactions

Tools : Git, GitHub, GitLab, Bitbucket, JIRA, Confluence, Agile/Scrum, Kanban, Jest, Mocha/Chai, Cypress, Pytest, Postman, Swagger/OpenAPI, NPM, Yarn, pip, VS Code, IntelliJ, Slack, Notion

AI / ML : Retrieval-Augmented Generation (RAG), Vector Embeddings, OpenAI API, LLM Integration, Prompt Engineering, AI-Powered Code Review Automation, Computer Vision, Image Segmentation, Applied Machine Learning

Education

Master of Science In Computer Science | Northern Arizona University

| Aug 2024 - May 2026 | Flagstaff, AZ

Bachelor of Science In Computer Science | Visvesvaraya Technological University

| Aug 2018 - Aug 2022 | Bangalore, IN

Projects

LLM-powered code review platform

- Built an **LLM-powered code review platform** using **OpenAI API, RAG over pgvector, and GitHub webhooks** — surfacing **confidence-scored inline suggestions** with severity tagging.
- Engineered an **agentic CI/CD pipeline on GitHub Actions** with **Docker builds, AI-gated quality checks, and human-in-the-loop approvals** — cutting manual review **~50%**.

Neuronova — Real-Time Multiplayer Gaming Platform

- Real-time multiplayer platform on **Vue.js, Node.js, WebSockets, Redis** with sub-100ms latency.
- Architected **event-driven backend APIs** with **Docker horizontal scaling** — **~40% faster response times** and **99%+ uptime**.