Luxmikant

New Grad Software Engineer — Tech Graduate 2026

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Professional Summary

and results-driven Software Development Engineer with proven expertise in designing, collaborating, and deploying scalable server-side applications that handle high-volume requests. Skilled in leveraging machine learning, modern frameworks and tools, with a solid foundation in algorithms, data structures, and system design—and recognized as a Codeforces specialist for consistently solving complex problems.

Education

Vellore Institute of Technology , **CGPA: 8.35 — 2022 – 2026**

B.Tech in Computer Science Engineering, Specialization in Health Informatics

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Database Management Systems, Computer Networks, Object-Oriented Programming, Software Engineering.

Technical Skills

- **Languages:** C/C++, Python, JavaScript/TypeScript
- **Operating Systems:** Linux (command line, shell scripting)
- **Frontend:** React, JavaScript, HTML/CSS, Tailwind CSS, Material-UI, Redux
- **Backend:** Node.js (Express/NestJS), RESTful APIs, SQL/NoSQL Databases (PostgreSQL, MongoDB), Caching (Redis), Rate Limiting, Authentication & Authorization (JWT, OAuth2), System Design.
- **DevOps & Infra:** CI/CD, Docker, Kubernetes, Linux, Nginx, Monitoring & Logging (Prometheus), Git/GitHub workflow

Experience

Open Source Contribution: Flamenco Web Configuration Manager **Jan 2025 – May 2025**

Core Contributor

- Developed server-side code with Vue.js interface, REST APIs, connected to a Go backend, reducing configuration time by 40%.
- Implemented an MQTT communication layer with MQTT.js and a Go broker for real-time messaging across 50+ nodes with 99.9% uptime.
- Orchestrated a task distribution system utilizing Go's concurrent processor pools and optimized thread allocation, diminishing average task completion latency by 150ms across 50+ nodes.
- Designed a cron-based Go scheduler with timezone awareness, optimizing global resource utilization by 25%.
- Created a cross-platform path translation layer for seamless deployment across Windows, Linux, and macOS.

Projects

Customer Relationship Management(CRM) Platform **May 2024 – Present**

Full-Stack Developer

- Built an AI-driven CRM (React/Vite, Express, MongoDB) with smart segmentation, campaign workflows, and OpenAI/Gemini content generation.
- Designed a drag-and-drop segment builder handling 15+ attributes, cutting segment creation time by 70%.
- Support essential CRM operations for businesses, including customer data management, lead tracking, and workflow automation
- Added Google OAuth, JWT sessions, and a hardened REST layer with CORS for secure external access.
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Tradl AI — Real-Time Financial News Intelligence **Jun 2025 – Present**

AI/ML Engineer

- Built a LangGraph pipeline that ingests 500+ daily financial articles, dedups 95%+ via embeddings, and enriches with FinBERT sentiment.
- Engineered Groq Llama RAG queries over ChromaDB vectors to deliver context-aware answers with source citations in ¡200ms.
- Operated LangSmith-traced FastAPI services + LangGraph agents for observable workflows, retries, and error handling.
- Released a React/Tailwind dashboard surfacing impact-indexed cards, sector heatmaps, and watchlist feeds for traders.
- Authored 134 pytest suites across dedup, NER, sentiment, and query layers; achieved sub-300ms total latency.
- Documented architecture, benchmarks, and Docker/Render deployment playbooks for demos and onboarding.

Achievements

- Authored an AI research paper on Alzheimer's detection (published in Springer), developing a model that achieved a 92% accuracy rate in identifying early-stage biomarkers.
- Secured a Top 10 finish among 100+ teams at the Hack2Byte 3.0 hackathon through collaborative rapid prototyping.
- Solved 450+ algorithmic challenges on LeetCode, demonstrating strong command of data structures and algorithms.

Certifications

- Introduction to Rust Training — Ferrous Systems
- Applied Machine Learning in Python, University of Michigan
- Data Structures and OOP with C++: CS104, CS105 Masterclass