Shelton Chiramal

Software Engineer

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SKILLS

- **Programming Languages:** Python, Go, Java, Bash, SQL, LogQL
- **Libraries and Frameworks:** Flask, FastAPI, net/http, gin, Spring Boot
- **Tools:** Docker, Redis, RQ, Kafka, SQS, SES, S3, EC2, Celery, Metabase, Firebase, Loki, Grafana
- **Other Skills:** REST, CI/CD, Notion, WebSockets, MLOps, DMARC, OAuth

EXPERIENCE

Software Developer Engineer II
NeoSapien, Wearable AI, Shark Tank S4E6   Jan 2025 - Apr 2025
- Built an event-driven system using Redis Queue (RQ) workers to generate structured memories from transcripts; parallelized, multistage LLM calls based on token size, reducing hour-long transcript processing to ~5 seconds.
- Owned the Ask Neo chat feature backend, integrating with Second Brain RAG context and supporting full memory lifecycle operations.
- Founding engineer responsible for internal tools in R&D, including system health checks, CI/CD pipelines, and automation for testing new models and configurations.

Backend Engineer
Rendernet.ai, Gen AI, YC '21   Feb 2024 - Nov 2024
- Designed and implemented a scalable deployment service in Go, enabling seamless deployment of AI models and Docker containers for 2M+ generations monthly.
- Documented, Engineered and Launched multiple key features including Img2Img, Img2Vid, AudOnVid. Integrated with third party AI providers like RunwayML, solving new sets of challenges like advanced content moderation.
- Automated GPU node setup, provisioning cloud-based GPU instances, reducing node setup to a single API call and ensuring realtime AI inference readiness.
- Implemented an email marketing system with Listmonk, achieving delivery of ~50k emails daily and boosting user engagement.

Product Engineer
Whyminds.ai, Regulatory Tech   Dec 2023 - Jan 2024
- Collaborated closely with the founder and the Chief Architect to gather business requirements, translating them into effective database designs using flowcharts in Lucidchart and Figma.
- Developed and implemented RESTful APIs while coordinating with front-end engineers and designers, utilizing MongoDB for database management to deliver robust backend solutions.

Software Development Engineer (BE Heavy)
Amdocs, Telecommunications   Jul 2021 - Jan 2023
- Worked on a suite of 47 microservices for the CPQ (Configure Price Quote) Project. Wrote optimized SQL scripts to reduced overhead between microservices by 75% for other Projects like CRM, OSO. Managed feature development and defect resolution within a SCRUM/Agile framework under the guidance of senior developers.
- Ensured microservices were aligned with updates from third-party applications and maintained inter-service dependencies for each release. Spearheaded documentation for the cloud migration of the core CPQ project, collaborating with Computer Architects.
- Worked in a 20 strong international team, migrating microservices from Oracle WebLogic to cloud using Docker, Kubernetes.

PROJECTS

Classification of Protein Ligand Classes using PL Binding Affinity using Random Forest
Constructed & trained a Random Forest classifier achieving a 65% accuracy in predicting molecular enthalpy of protein-ligands.

FL Studio Chord Script Generator with Tkinter
Pre-loaded chord scripts save time, offering flexibility in chord selection and boosting efficiency by reducing the need for manual input.

ACHIEVEMENTS

- Led and participated actively in the Indian Society of Technical Education (ISTE).
- Released electronic music in genres of Wave, Lofi, Art Pop, HipHop

EDUCATION

Woolfe University   2024
MS

NIT Calicut   2021
BE/B.Tech/BS, Computer Science and Engineering | 7.01 CGPA