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About

I am a PDE(Product Driven Engineer) interested in Distributed Systems, an active learner, and have a strong desire to explore diverse subjects, including AI, economics, history, and spirituality.

Career Highlights

Freelance Projects:

Software Engineer Consultant(Sept 2024 - present)

Responsibilities:

- Customization of open source projects to change it's core functionality like authentication, authorization, appearance, workflow integration, CI/CD workflow to meet with clients requirement and mapping it with internal platform in the Law Firms.
- Created AI agents for extracting contact information through Gmail in a structured way using Python, Langchain, CrewAI, Claude LLM and Gmail API.
- Implemented the **data pipeline API** for data fetching, normalization, and deduping on third-party vendors like Qualyz and Crowdstrike and **visualized** the distribution of hosts.
- Implemented a **simple web application** for a product pricing engine for the restaurant business.

SecurityPal (2023 - 2024)

Software Engineer II (Sept 2023 - Sept 2024)

Responsibilities:

- Implemented the **search metrics API** for different interaction such as copy,like, dislike, highlight,page change in internal **search engine tool**.
- Implemented the AI search using **OpenAI 4o model** and Huggingface open source model **all-MiniLM-L6-v2 simple RAG** within the database for GRC domain**.**
- Create a **Dashboard** in GCP for the **search metrics** to see the trends.

- Implemented **similarity check** between two **consecutive queries** using **Damerau-Levenshtein Distance** in internal search engine tool.
- Took an initiative to design a **DB schema** for one of the feature which helps vendors to see their details around the **Security Questionnaire**.
- Implemented the logic to **stop sending the email notification** in inbox when the gdrive link is shared.
- Created a **RESTAPI to move threads** to specific location for internal communication tool like Gmail used by 1000+ users.
- Implemented different task related to **pentest remediation** such as ratelimit, host header injection, cloud-armor-rule to deny access host header doesnot match.
- Implemented **Unique Log message checker** across the backend API
- Implemented the **subscribe notification** for trust center for clients.
- Implemented **notification system** when some report are uploaded within the application.
- Familiarity with **Observability Tools** such as GCP Log analytics, Log Explorer, Sentry, Trace Explorer.
- Actively participate in **architectural design** and **code reviews**.
- Participate in Sprint Planning and tech-debt meeting.
- Mentored Engineer for smooth Functional Onboarding in the application stack and Also, work closely with clients to understand their requirements and feedback.

CloudFactory (2021 - 2023)

Software Engineer (Nov 2021 - July 2023)

Responsibilities:
- Designed, developed, and maintained **10+ cloud native microservices** using **GOLang** built for 1M+ users deployed in docker container.
- Developed the **backend API** using Go (Golang) for an engagement platform focused on communication and community collaboration.
- **Migration** of DynamoDB to DocumentDB in AWS cloud services.
- Worked on **Mongodb** queries in order to perform manipulation of data from database in response to the logic.
- Familiarity with **Observability Tools** such as New relic, AWS Cloud Watch.
- Designed, developed and maintained **100+ REST APIs** which was used by **10,000+** users

- Ensuring **test coverage** for GO endpoint service by writing the proper unit test and integration test .
- **Bug Fixation** and resolve production issues.
- Developed an API for a **Backend for Frontend** (BFF) architecture using Node.js and the Express framework, with a focus on maintaining consistency and reliability throughout the application.
- Worked on different **AWS services** to support the cloud-native architecture.
- Implemented the **LaunchDarkly flag** to run **canary** test.
- Best practices of **Agile software development** by following SCRUM framework.
- Functional Onboarding of Sr. Software Engineer

Javra Software(April 2021 - July 2021)

Software Engineer(R&D) Intern

Started my professional career as an Software Engineer(R&D). I worked with one full stack application within a short span of time.

Roles and Responsibilities:
- Utilized Node.js and Python scripts to build a POC of the Logo Tool for clients, ensuring that the solution met their requirements.
- Conducted thorough research and analysis to identify potential solutions, and worked closely with colleagues to implement and test these solutions, gaining valuable experience in research, problem-solving, and collaboration
- Building prototypes for feasibility study and user acceptance testing

Community Involvements

(captable) Open-Source Captable

Providing Software Engineering support(one API development for rotating the API Key) for this rising capable project.

(cloud-honks) Open-Source

Curated Course for Kubernetes for Beginners and Intermediate.

Education

Chandigarh University
Bachelor of Computer Science and Engineering
2017-2021

Skills

GoLang	AWS Lambda	AWS SQS	AWS Cloudformation
DocumentDB	APIGateway	AWS S3	Terraform
Python	Node.js	Docker	Github Action Workflow
PostgreSQL	GCP	AWS ECS	AWS SNS
Typescript	React.Js	Serverless	