Varshap Walia

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SKILLS

- Java
- Python
- Go
- Angular / Node
- Elasticsearch
- MySQL / Postgres
- MongoDB
- Redis / Kafka
- AWS / GCP
- Gitlab / CI-CD
- Jira / Confluence
- Sentry / New Relic
- Postman / Swagger
- Restful API / RestAPI
- Unit Testing / AB testing
- Microservices

WORK EXPERIENCE

Software Development Intern   *April 2023 – Sept 2023*
Thales   Ottawa, Ontario

- Engineered a robust load and performance automation testing pipeline for the enterprise-level microservice application (SafeNet Trusted Access), resulting in a remarkable 250% reduction in manual testing time.
- Implemented scripts to deliver real-time status and logs of ci/cd pipelines, significantly improving visibility and monitoring capabilities.
- Authored comprehensive system documentation encompassing detailed flowcharts, user manuals, and implementation guides to ensure clarity and facilitate seamless implementation.

Software Development Engineer II   *Feb 2022 – Sep 2022*
Vahak   Bengaluru, India

- Architected the latest version of Vahak's Map system to enhance the company's geolocation data integrity, quadrupling the number of points of interest on the map.
- Improved location search engine's algorithm, boosting suggestion accuracy by 89% and increasing bookings by 37%.
- Collaborated with the data science team to optimize recommendation metrics, resulting in a 45% increase in customer engagement.
- Mentored junior engineers to write efficient code for enhanced performance and readability.

Senior Software Engineer   *April 2019 – Feb 2022*
PinkBlue   Bengaluru, India

- Spearheaded and Managed POS solution that supported inventory, logistics, and barcode scanning for 1000+ customers (Hospitals) and 4500+ stores (Pharmacies) across India.
- Optimized logistics, order tracking, Inventory revisions, and payments, reducing delivery times by 29% and order discrepancies by 20%.
- Led the development of several products E2E, from identifying system requirements and partner dependencies to workload balancing, software implementation, engineering, testing, and configuring metrics, alarms, monitors, and dashboards.
- Automated the core marketing experiments, including A/B, Auto-Targeting, and Multivariate Testing.
- Orchestrated the e-commerce web platform migration from GCP to AWS, also Implemented performance tracking using New Relic and Sentry, reducing downtime incidents by 23%.

Backend Engineer   *Nov 2017 – April 2019*
Inclov   Gurgaon, India

- Automated tools for operations, improving profile filtering, user support, and milestone tracking.
- Created an encrypted messaging and notification system, boosting user engagement by 45% on the dating app.
- Implemented ML-based auto-approval and explicit content filtering, reducing moderation by 30%.
- Enhanced web app accessibility, adhering to WCAG and adding text translation features.

Associate Data Scientist   *March 2017 – Nov 2017*
Cognier Insights   Gurgaon, India

- Upgraded data ingestion pipeline for Samplepop, a B2B trading geo-map web app.
- Increased system capacity to process 60,000 hits per minute, leading to a 40% boost in real-time analytics responsiveness for local store recommendation engine and visibility index.

EDUCATION

Concordia University   *Aug 2024*
Master of Computer Science   Montreal, Quebec

Kurukshetra University   *Aug 2017*
Bachelor of Science in Computer Science   Kurukshetra, Haryana