Amr Hassan

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EXPERIENCE

Alraedah

Senior Software Engineer   Jun 2023 – Dec 2023

- Architected and implemented innovative and efficient solutions in collaboration with a team of 4 talented engineers.
- Increased development speed by 20% and improved maintainability by migrating to configuration-based integrations.
- Optimized and expedited multiple environment deployments through the implementation of efficient CI/CD pipelines, leveraging GitHub deployments for seamless and rapid software releases.
- Automated customer follow-up using Apache Airflow, with adaptability for diverse queries, enhancing satisfaction and efficiency
- Actively participated in code reviews, and documented and enforced coding standards.

Technology stack: Golang, Python, Redis, Kafka, vault, Kubernetes, Mysql, Postgres, Helm, ArgoCD, Github actions, Airflow

SWVL

Senior Software Engineer   Jan 2022 – Dec 2022

- Led a team of 7 engineers to deliver efficient and high-quality solutions.
- Reduced resource fetches for TaaS by 127%, resulting in faster execution time and cost savings.
- Launched a high-performance PDF generation pipeline that can handle up to 7,000 bookings per hour.
- Consolidated and automated TaaS apps into the k8s cluster for improved reliability and reduced workload.

Technology stack: NodeJs, TypeScript, Python, Redis, Google BigQuery, AWS SQS, S3, Kubernetes, MongoDB, Postgres, AWS Lambda, Helm, Jenkins, Github actions

Magalix

Software Engineer   Sep 2019 – Dec 2021

- Accelerated time-series data serving resulting in 83% faster response time and lift in write throughput.
- Built a Zapier, Slack, and Jira webhook-integrated app to broaden recommendations analysis and Introduced circuit breakers, resulting in a 10x boost in ingestion rate.
- Evaluated Argo, improving system extensibility and visibility by 200%.
- Streamlined connected cluster tracking by only recording the last seen time, reducing network traffic by 96%.

Technology stack: Golang, Redis, Google BigQuery, BigTable, MongoDB, Postgresql, InfluxDB, Kafka, Argo, Helm, Kubernetes, Docker, CircleCI, Google PubSub, Google Cloud Functions

Freelancer

Full-Stack Web Developer   Jan 2016 – May 2020

- Led architecture and implementation of 6+ projects utilizing Agile methodology.
- Developed 16+ customized script solutions using various programming languages, including PHP, Javascript, and Golang.
- Achieved an average rating of 5/5 on multiple freelancing platforms.

Technology stack: Golang, Python, Nodejs, PHP, Laravel, MongoDB, Postgresql, Docker, CircleCI

Teknowl

Software Engineer   Nov 2017 – Nov 2018

- Designed a content-type HAL package that abstracted rendering logic for different models, resulting in 500% time savings.
- Enhanced search capabilities by 3x and added role-based search functionality by integrating and designing Elasticsearch mapping and data sync.
- Optimized MySQL queries on multiple pages by 27%,
- Promoted productivity and quality standards through resource sharing and team reflection.

Technology stack: NodeJs, PHP, Laravel, Redis, RabbitMQ, MySQL, Postgresql, MongoDB, Elasticsearch, Jenkins

EDUCATION

Helwan University – Cairo, Egypt Sep 2019
Bachelor of Software Engineering, Computer Science.

ADDITIONAL

Certifications and Training: Mobile Web Specialist (Udacity), Secure Software Design Specialization (Coursera), Front End Web Development Advanced (Udacity), Cloud Developer (Udacity), Data Architect (Udacity)
Languages: English (Professional), Arabic (Native)