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Work Experience

Junior Software Engineer
Beno Technologies, Dubai, AE
Oct 2023 - Present

- Boosted website performance by 150% through implementing a CDN solution with AWS CloudFront and automating performance monitoring using Google Lighthouse.
- Automated the collection and presentation of performance metrics post-deployment using AWS ECS, Docker, SQL, and Lighthouse.
- Streamlined CI/CD workflows and automations by creating tools like a release blocker and Strapi redeployer.
- Automated the collection of testing metrics and report generation, increasing QA productivity by 80%.

Software Engineer Intern
Beno Technologies, Dubai, AE
June 2023 - Oct 2023

- Led the development efforts to create a sophisticated Next.js dashboard tool providing a comprehensive overview of the test suite.
- Enhanced test case quality by 25% using AI technology for rubric evaluation.
- Successfully integrated Cypress into the testing pipeline, reducing manual testing time by 30%.
- Partnered with QA teams to optimize workflows, reducing monthly bug reports by 50%.

Software Engineering Intern
~ Al Ghurair Investment, Dubai, AE
~ Jun 2022 - Aug 2022

- Tested websites and applications, leading to a 70% decrease in bugs.
- Demonstrated technical skills in database administration using MariaDB and proficiency in CMS tools such as Strapi and HCL Dx.

Projects

Real-Time Transportation & Fleet Management System

~ Freelance Project, June 2024

- Built an end-to-end fleet management solution for schools using Next.js, Express, MongoDB, and Tailwind CSS.
- Integrated IoT solutions for fleet location tracking with the web app.
- Utilized server-side rendering and incremental static regeneration to enhance UX.

Deep Learning Pipeline for Crack Detection using Incremental Learning & MLOps *~ Sept 2022 - May 2023*

- Designed a machine learning pipeline for surface crack detection using MLOps practices.
- Integrated the ML pipeline with AWS EC2, DynamoDB, and S3 using a custom GoLang server.
- Implemented incremental learning for model improvement from misclassification.
- Built a Flutter mobile app for image uploads and inference results.
- Secured AED 5000 through the Undergraduate Research Grant Award.

Prediction of Wildfires using Deep Learning and Vision Transformers

~ Apr 2023

- Developed a deep learning model to predict wildfires in drone images.
- Trained the model on the FLAME2 dataset of 60,000 drone images.
- Achieved 99.92% accuracy by comparing CNNs and Vision Transformers.

Education

American University of Sharjah

Sept 2019 - May 2023

Bachelor of Science in Computer Engineering

Sharjah, AE

- **Awards:** Outstanding Student Scholarship, Hamid Jafar Scholarship, Undergraduate Research Grant Award
- **CGPA:** 3.15/4.0
- **Certifications:** AWS Cloud Practitioner Essentials (July 2022)

Skills

Languages: TypeScript, JavaScript, HTML, CSS, Python, C++, Java, GoLang, Bash

Development: React, Next.js, Tailwind CSS, Three.js, Express, Vercel, MariaDB, Dynamo, Keras, TensorFlow