ALI HEWIAGH

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SUMMARY

Experienced software engineer with over 4 years in full-stack development and one year specializing in iOS app development. Adaptable to new technologies, skilled in independent and collaborative work across diverse system domains, both remotely and in-office.

EXPERIENCE

Software Engineer   Nov 2023 - Presents
Picl   *Remote*

- Emphasize third-party integration, like Open-AI, for the development of advanced features.
- Implemented seamless video streaming capabilities within the system using AWS services S3, Lambda, Element MediaConvert, EventBridge, SNS, CloudFront, and CloudWatch, resulting in significantly accelerated video playback times.
- Led and designed the conception and execution of AI-driven SaaS products, notably chatbots.
- Developed an SDK for Picl API, empowering external developers to effortlessly incorporate Picl services into their projects.
- Oversee remote developers to ensure seamless project delivery and adherence to timelines using Slack and Jira.

Full-Stack Developer   Sep 2021 - Oct 2023
Paper Video   *Remote*

- Enhanced educational platforms serving thousands of students across South Africa by meticulously debugging code and introducing new features.
- Demonstrated proficiency in both front-end development using the Angular framework and back-end development using NodeJs (Express).
- Ensured smooth operation and maintenance of system infrastructure, including AWS services utilized by the platform.
- Fostered close collaboration with South African payment gateway providers to seamlessly integrate and ensure secure online payment functionality within the Paper Video system.

Software Engineer (Part-time)   May 2022 - Oct 2023
Picl   *Remote*

- Developed a comprehensive system catering to business consultants across diverse industries, encompassing architecture, infrastructure, and database design, followed by successful deployment on AWS.
- Maximized system efficiency and scalability by using AWS services, driving improved performance and reduced maintenance overhead.
- Implemented efficient API endpoints utilizing Node.js (Express Framework) and leveraging Postgres as the system's robust database.
- Implemented a semantic search functionality by utilizing the Pinecone database (vector-based).

iOS Developer   May 2020 - Aug 2021
iCYCLE Malaysia   *Johor Bahru, Malaysia*

- Collaborated in the modification of existing applications to rectify coding errors, enhance interfaces, and optimize performance, utilizing the Swift programming language.
- Played a key role in closely coordinating with back-end developers to seamlessly integrate applications with the back-end, utilizing RESTful APIs for smooth data communication.

Full-Stack Developer   Jul 2018 - Jun 2020
iCYCLE Malaysia   *Cyberjaya, Malaysia*

- Implemented meticulous code modifications, interface updates, feature development, and performance enhancements on existing software solutions.

- Engaged in diverse projects, skillfully utilizing a range of programming languages and tools including Angular, NodeJs, and MongoDB to deliver exceptional results.

- Led the research and development efforts to create a cutting-edge machine learning model specifically designed to detect and mitigate fraud within waste management systems by using Python and SciKitLearn, Pandas, NumPy, and Matplotlib libraries and machine learning algorithms.

Web Developer   Mar 2018 - Jun 2018
AOneSchools   *Remote*

- Contributed to the development and refinement of a comprehensive learning center management system, specifically designed for offline lessons. Utilized the company's proprietary PHP framework alongside a MySQL database to ensure efficient and seamless functionality.

SKILLS

Technical Skills	CSS, HTML, Tailwind, Bootstrap, Angular Material, JavaScript, TypeScript, Python, Angular, NodeJS, Docker, AWS, Firebase, MongoDB, PostgreSql, Pinecone, Jest SciKitLearn, Pandas, NumPy, Matplotlib.
Soft Skills	Communication, Problem-Solving, Attention to Detail, Adaptability.
Others	Socket.io, OpenAi API, Payment Gateways, Semantic Search, Video Streaming, Git, Github, BitBucket.

EDUCATION

BSc Computer Science (Software Engineering)(Honors*), CGPA 3.5/4   Jun 2015 — Jun 2018
Multimedia University, Cyberjaya, Malaysia

COURSES AND CERTIFICATES

- What is Data Science by IBM

- Tools for Data Science by IBM

- Python for Data Science, AI & Development by IBM

- Databases and SQL for Data Science with Python by IBM

- Data Science Methodology by IBM

- Data Analysis with Python by IBM

- Data Engineering by LinkedIn

- **AWS Cloud Practitioner Essentials by IBM**

- Agile Crash Course: Agile Project Management; Agile Delivery