AHAD KHAN

+971 56 729 9420 | ahadaak231@gmail.com | Dubai, UAE

FULL STACK SAAS ENGINEER

Software Engineer | Cloud Engineer | Platform Engineer | Data Engineer

Tech professional specialising in user-centric solutions backed by a solid foundation in computer engineering and hands-on coding experience. My skills combine software development, system design, and data analysis. Key outputs are robust system integrations, dynamic software applications, and insightful data-driven decision support.

CORE COMPETENCIES

- **Full Stack Development:** Proficient in both front-end and back-end development, with a focus on creating dynamic software applications and robust system integrations.
- **Cloud Engineering:** Experienced in developing, testing, and deploying cloud infrastructure on AWS using Terraform, ensuring scalable and repeatable environments for SaaS platforms.
- **AI and Machine Learning:** Hands-on experience with AI tools such as Microsoft Azure's ML kit, and a background in neural network architectures like CNNs for specific tasks like sarcasm detection.
- **Team Collaboration and Leadership:** Demonstrated ability to work alongside sales, customer support, and technical teams, ensuring seamless integration and support throughout the project lifecycle.
- **Project Management:** Proven expertise in using tools like Confluence, Jira, and GitHub Actions for efficient project tracking, collaboration, and continuous integration and deployment.
- **Data Engineering and Analysis:** Skilled in leveraging data-driven insights to guide decision-making, with experience in both software development and data analysis, and tools like Postman for API testing.

EDUCATION

- **BSc in Computer Engineering:** American University of Sharjah, Sharjah, UAE | Jan 2017 – Jan 2021
- **CIE A-Levels:** Arab Unity High School, Dubai, UAE | Sep 2002 – Jun 2015

EXPERIENCE

Full Stack SaaS Engineer: Youplatform.ai (Aug 2023 - Present)
Immersive internship with a SaaS AI start-up based in Australia, focused on creating an executive coaching and leadership platform.

- **Back-end Development:** Crafted and secured production-ready APIs, which provided a foundation for the front-end application's seamless communication with the server.
- **Cloud Infrastructure:** Efficiently developed, tested, and deployed scalable cloud infrastructure on AWS using Terraform, ensuring consistent and reliable environments for users.
- **Domain Management:** Took charge of domain configurations, ensuring correct name servers and DNS entries, leading to unhindered platform accessibility.
- **Deployment:** Innovated CICD pipelines through GitHub Actions, streamlining development processes for both front and back ends.
- **Skills:** NestJS, AWS, Terraform, Vue.js, GitHub Actions, Postman API, Confluence, Jira.

Software Engineer: American University of Sharjah (Jan 2019 – Jun 2021)

In my tenure at American University of Sharjah, I embarked on a variety of engineering projects, each honing my expertise in SaaS and data-driven solutions. These experiences have instilled in me a passion for merging technology with real-world challenges.

- **Hospital-Centric SaaS:** Designed a robust platform tailored for hospitals, using AWS's cloud infrastructure to guarantee smooth, uninterrupted data access for medical staff.
- **Data Processing:** Processed vast datasets from platforms like Reddit to discern patterns, highlighting my dedication to data-driven solutions.
- **Neural Networks in Action:** Utilized CNNs for sarcasm detection, reflecting my ability to leverage advanced algorithms for practical applications.
- **SaaS Reliability:** Emphasised on service reliability, integrating auto-scaling and load balancing techniques to ensure peak performance.
- **Software Accessibility:** Ensured seamless software availability, so that medical data is always at the fingertips of those who need it.
- **Advanced Mapping Solutions:** Developed 'Happy maps', an innovative solution suggesting routes based on user mood, demonstrating my capacity for unique, user-centric software design.
- **Deep Learning Research:** My work on the sarcasm detection platform highlighted my proficiency in using deep learning tools to address modern communication challenges.
- **Optimising Neural Network Functions:** Explored various functions such as SoftMax, Relu, and Sigmoid, underpinning my commitment to fine-tuning and optimization for achieving precision.
- **Skills:** Java, AWS (EC2, Elastic Beanstalk, RDS), Python, NumPy, Pandas, Convolutional Neural Networks, MySQL, Hibernate, Android Development, Swift, NoSQL.

Integrations Engineer: Spotii (Sep 2022 – Mar 2023)

Participated in Spotii's integration lifecycle, a top BNPL in UAE and Saudi. Led merchant engineering for smooth integration and provided post-sales technical support. JavaScript, PHP, HTML, CSS, and Postgres SQL.

Java Engineer: UAE Digital Labs (Sep 2021 – Oct 2021)

Participated in Liferay project development using Springboot during this internship. Gained in-depth understanding of OSGI and Liferay DXP architecture. Java, Springboot, and Liferay DXP.

iOS Developer: Inlogic IT Solutions (Dec 2020 – Jan 2021)

Developed Utility Manager classes and an HR System for iOS during this internship. Engaged in code reviews with senior developers. Objective C, Swift, Swift UI, and SQLite for streamlined app development.

Support Engineer: American University of Sharjah (Jan 2019 – Jun 2021)

Resolved tech issues in classrooms and offices, addressing network, software, and hardware concerns. Provided software solutions for faculty and labs, using networking, and troubleshooting skills.

Various part time roles during career gaps.