HASSAN **HAMED**

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Education

University of CNAM
Bachelor of Computer Science

- **Courses:** JavaScript, Java, Web Architecture, Databases, Algorithms, Operating Systems, Data Structures, Advanced Mathematics

Skills

Software Languages: JavaScript, TypeScript, Python, HTML, CSS
Technologies: React.JS, React Native, Node.JS, Nest.JS, Express.JS, AWS, MongoDB, SQL, OpenCV, TensorFlow
Languages: English, French, Arabic

Professional Experience

StrategizeAI

Lebanon, Beirut

Senior Software and AI Development Engineer January 2024 - Present
- Led a team of developers, providing guidance and making architectural decisions for software and AI development.
- Developed deep learning AI computer vision models with TensorFlow and OpenCV tailored for use in hospitals, specifically for integration with surgical and medical equipment.
- Built frontend applications using React.JS and conducted testing with Jest/React Testing Library.
- Developed backend servers and APIs using Nest.JS, Express.JS, MongoDB, and PostgreSQL.
- Implemented CI/CD processes for deployments and utilized Microservices architecture for services.
- Configured hosting infrastructure using AWS services.

StrategizeAI

Lebanon, Beirut

Senior Full-Stack Software Engineer February 2023 – January 2024
- Built three full-stack online platforms for UAE-based companies, each hosting 3000+ users, using the MERN stack & Content Management Systems
- Developed and implemented AI models, integrating them seamlessly with the platforms to enhance functionality and UX
- Engineered an online educational AI platform featuring an in-app integrated code editor and live code executions
- Redeveloped a company's online platform, resulting in a remarkable 40% increase in monthly revenue, growing from an average of $13,000 to $18,200 in the latest month
- Designed and implemented Admin control dashboards for each platform, enhancing management & monitoring capabilities

Quinky

Lebanon, Beirut

Lead Software Engineer, Technical Project Manager February 2023 – July 2023
- Led and managed the Software Development team responsible for building the web and mobile apps of the company
- Developed an AI conversational model and an AI image generator, integrating both with a Vue.JS-based web application
- Designed and implemented the company's server and API architecture using Node.JS and Express.JS
- Implemented a load balancing solution for the server, enabling it to efficiently handle 10,000+ simultaneous requests
- Optimized the company's AWS architecture, implementing strategic changes that resulted in a significant 30% reduction in overall infrastructure costs

Groovy Antoid

Lebanon, Beirut

Lead Software Developer July 2022 – February 2023
- Led a Software Development team of 4 engineers, providing guidance on best code practices and architectural patterns for each project such as Test Driven Development
- Developed user interfaces for high-end custom Web Applications using React.JS
- Managed server and API development utilizing Laravel and PHP

• Integrated multiple projects seamlessly with Cloud Storage using AWS and Firebase
• Utilized C# and TypeScript with Unity and Cocos Creator's Engine technology to design and develop 2D/3D video games

Phamo B.V.

Lebanon, Beirut
March 2022 – July 2022

Full-Stack Developer
• Architected and developed the company's platform and admin dashboard using the MERN stack
• Engineered the backend servers and APIs for the company using Node.JS and Express.JS
• Designed and implemented a mobile app featuring an AI recommendation system, providing personalized suggestions for pharmaceutical products to users

OKTA Digital

Lebanon, Beirut
Nov 2021 – Feb 2022

Front-end Developer
• Created custom HTML email templates using HTML, CSS, and JavaScript, following Figma designs
• Utilized React.JS to develop innovative web applications
• Managed communication with company clients

Projects

Governamental Project for Dubai

• Built a cross-platform custom governamental mobile application for Dubai with React Native
• Configured Database and Cloud Storage for mobile app
• Developed user authentication system
• Built an Admin Dashboard for mobile app and hosted it on an AWS S3 bucket

mE-Card

• Developed an online virtual business card platform where businesses can sign up and create personalized business cards for their staff members with personal QR codes and an analytics dashboard for each user that allows mE-Card users the ability to track the amount of views, scans and interactions on the user's platform
• Designed the platform's hosting infrastructure on AWS
• Built an admin dashboard for the platform

TechTeach

• Engineered an online AI educational platform which includes an interactive live code editor, course videos, Q&As, and code documentation using Next.JS
• Developed and trained a conversational AI model and integrated it with the platform
• Integrated a secure payment system with Stripe checkout

Delivery Automation

• Built a delivery management system for a multi national paint company with 6000+ average daily deliveries
• Integrated live map location updates for drivers with API sockets
• Created a live tracking system for deliveries that tracks and updates the entire delivery process of each order from placing the order, to confirming it, packaging it, loading it in the appropriate vehicle, and delivering it to the customer through web sockets

NFT Marketplace mobile app

• Built an NFT Marketplace mobile app for both Android and IOS using React Native
• Developed a responsive landing page for the app using React.JS
• Deployed mobile app on Expo Store

Social Media platform

• Built a Next.JS social media platform with the features of viewing, uploading, editing, liking, and commenting on user's posts
• Utilized Firebase V9 for Database development and Cloud Storage
• Created a custom authentication system using NextAuth