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YEMAJ WABAR

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EDUCATION

Fairfax, VA   **George Mason University**   **Expected May 2025**
Current GPA: 3.44

- Bachelor of Science in Information Technology
  - Concentration: Database & Programming
  - Relevant Coursework: Database Programming, Discrete Structures, Operating Systems, Multimedia & Web Design, OOP Programming, Modern Telecommunications, IT Global Economy, Data Communications/ Networking Principles, Human Computer Interaction, Data Structures & Algorithms, Mobile Development, Rapid Development Scalable Cloud

PROJECTS

Machine Learning License Plate Reader Application

- Developed a machine learning application using AWS Rekognition to detect and identify vehicle license plates in real-time, optimizing the identification process for security and surveillance.
- Utilized Python, OpenCV, EasyOCR, and PyPlot to preprocess and enhance images, ensuring accurate license plate recognition by sharpening contrast and isolating text for frame-by-frame detection in video streams.
- Built on AWS infrastructure, the application automated image analysis, reducing manual workload and providing seamless tracking, with functionality resembling Flock cameras used in real-world surveillance systems.

Visa & Document Processing Application

- Developed a scalable full-stack application for processing visas, passports, and document authentication, utilizing ReactJS, MongoDB, RESTful APIs, AWS S3, and Stripe API for secure payments.
- Enabled real-time application tracking for customers and provided employees with automated order management, cutting processing time by 70% and automating workflows.
- This solution is currently in production, delivering continuous efficiency improvements and significant time savings for both the company and its clients.

TECHNICAL SKILLS

Cloud & DevOps: AWS (CDK, Cloud), Google Cloud, Terraform, Docker, Linux (CLI proficiency), BASH Scripting
Languages & Frameworks: TypeScript, Java, Python, C, Swift, NodeJS, ReactJS, Angular, HTML, CSS, SQL, PHP, MongoDB, JavaScript, Express, BCrypt
Operating Systems: Linux, MacOS, Windows

EMPLOYMENT

Jr. Sys Dev Engineer Intern   **Amazon Web Services – Arlington, VA**   **May 2024 – Aug 2024**
Amazon Dedicated Cloud

- Delivered development and deployment solutions for government clients using AWS Cloud, ensuring secure and efficient infrastructure as code (IAC) implementations.
- Utilized Docker, AWS CDK, Python, and JavaScript libraries, along with proprietary AWS tools, to design, develop, deploy, and maintain full life cycle software solutions.
- Collaborated with cross-functional teams to automate, scale, and optimize cloud infrastructure, enhancing system reliability and performance, ultimately optimizing costs for government customers.

Founder & CEO   **Modern Technical Solution – Alexandria, VA**   **Dec 2022 - Present**

- Oversee operations across divisions, including customer relations, software development, website creation, and digital marketing.
- Lead agile full-stack development teams in delivering custom digital solutions, including web applications, mobile apps, and software tailored to client needs.
- Enhance client digital presence through strategic digital marketing, SEO, and in-depth evaluations, providing actionable recommendations to drive growth.

EXTRACURRICULAR ACTIVITIES

Microsoft x Cloudforce   **PatriotHacks Hackathon – Fairfax, VA**   **Oct 2024**

- Collaborated with a team of engineers to build a machine learning-based license plate reader application in a two-day hackathon.
- Leveraged AWS services like Rekognition, and used OpenCV and Python to create an efficient real-time vehicle detection system, automating license plate tracking across multiple frames in video streams.
- Secured third place in the MetroStar x AWS track, showcasing the solution's ability to address real-world problems with cloud-based machine learning technology.