

Will Katabian

Arlington, Virginia

katabianwill@gmail.com | 757-641-3356 | linkedin.com/in/willkatabian | github.com/will-mp3

SUMMARY

Software engineer with hands-on experience developing full-stack applications using React, JavaScript, Python, and AWS technologies. Proven ability to deliver secure, production-ready mobile and web solutions through roles in software engineering and web development. Strong foundation in object-oriented design, data structures, and algorithm design.

EDUCATION

The College of William & Mary – BS in Computer Science

Sep 2021 – May 2025

CERTIFICATIONS

AWS Certified Cloud Practitioner

Expires: Jun 2028

SKILLS

Tools: C, C++, Java, Python, JavaScript, TypeScript, React, Node.js, PyTorch, SQL, NoSQL, AWS, Linux, Vim, Atlassian

Concepts: Object-Oriented Design, Data Structures, Algorithm Design, Complexity Analysis, DevOps, Agile

EXPERIENCE

Katabian Enterprises, LLC

Aug 2024 – Present

IT Consultant

Remote – Virginia Beach, VA

- Founded Katabian Enterprises, providing tech consulting in Web Development, Software Development, and Cybersecurity.
- Manage multiple contracts focusing on IT management and web development, ensuring high-quality deliverables.

RMGS, Inc

May 2024 – Aug 2024

Web Developer Intern

On-Site – Virginia Beach, VA

- Rebuilt the company website entirely, implementing a captivating and strategic structure, high-level CSS styling, and improved SEO performance.
- Optimized the company's web presence to maximize security and maintain ISO compliance through an internal audit.

MarginEdge

May 2022 – Aug 2022

Software Engineer Intern

Hybrid – Arlington, VA

- Created an internal mobile application, Find [ME] Food, capable of displaying company clientele on an interactive map.
- Designed front-end UI/UX using React and JavaScript, integrated with back-end database systems and security measures.
- Built back-end systems using Python and cloud infrastructure using AWS Lambda, API Gateway, DynamoDB, and Cognito.

PROJECTS

MumbleGPT

Mar 2025 - Apr 2025

- Developed a generative AI model using the transformer architecture capable of chat-style output.
- The model comes paired with a user-friendly interface for use outside the command line.
- Tools used include PyTorch, argparse, pickle, HuggingFace, and other transformer/neural network practices such as batches, blocks, multi-head attention, and data masking.

Byte Manipulation Engine

Oct 2024 - Nov 2024

- Built a basic byte manipulation engine in C, capable of basic file editing through the command-line interface.
- This engine is able to print a usage statement, rotate, expand, and contract a file by X bytes, and keep specific byte segments.

Network Traffic Source Detection

Mar 2024 - Apr 2024

- A team of engineers and I leveraged our knowledge of Network Systems, TCP/IP, and HTTP to build and train machine learning models to identify the source of network traffic.
- Using Wireshark data, we successfully trained a logistic regression, KNN, random forest, and neural network to identify web traffic from multiple websites.