

# Will Katabian

Arlington, Virginia

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## 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, API, AWS, Docker, Linux

**Concepts:** Retrieval Augmented Generation, Object-Oriented Design, Complexity Analysis, Algorithm Design, DevOps, Agile

## EXPERIENCE

**Web Developer, Intern**

May 2024 – Aug 2024

RMGS, Inc.

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.

**Software Engineer, Intern**

May 2022 – Aug 2022

MarginEdge

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

**RAG Document Assistant**

Jun 2025 - Jul 2025

- Built full-stack RAG application using React/TypeScript frontend and Node.js backend, implementing hybrid vector + keyword search with OpenSearch and Claude AI integration for intelligent document Q&A
- Engineered multi-modal document processing pipeline supporting PDF, Word, and web scraping with automatic text extraction, chunking, and vector embedding generation using Xenova Transformers

**React Web Portfolio**

May 2025 - Jun 2025

- Developed a responsive React.js portfolio website featuring a retro Mac OS aesthetic with dynamic project showcases and interactive UI components.
- Implemented modern web technologies including Tailwind CSS for styling, component-based architecture, and optimized image handling for seamless user experience.

**Micro GPT**

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.

**File Byte Editor**

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.