

Khamari Thompson

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TECHNICAL SKILLS

Languages & Frameworks: Python, Java, C++, JavaScript, TypeScript, Spring Boot, Flask, Node, React
Backend & Cloud: AWS, Firebase, RESTful APIs, OAuth, JWT
Developer Tools: Git, GitHub, Docker, VS Code, Vercel

EXPERIENCE

Software Engineer Intern

June 2024 – Aug. 2024

STARZ

Denver, CO

- Designed and optimized high-performance RESTful APIs for microservices, implementing caching strategies and database indexing to reduce response latency by 10%, ensuring seamless inter-service communication.
- Refactored microservices architecture by optimizing API payloads and database transactions, reducing compute overhead and improving request efficiency.
- Enhanced backend performance by 20% by implementing asynchronous processing for API-intensive workloads, reducing server load and improving response times.
- Implemented API logging and monitoring, reducing debugging time by 30% and ensuring system reliability in production environments.

Computer Systems Specialist

Jan 2024 – Present

Florida Department of Agriculture and Consumer Services

Tallahassee, FL

- Provided first-level desktop support to promptly address hardware and software issues for departmental staff, resolving day-to-day technical problems and minimizing disruptions.
- Built TicketAuto, a Flask & SQLite-based IT support automation system, streamlining ticket resolution workflows. Designed RESTful APIs for efficient issue tracking and future scalability.

PROJECTS

BlckByte | React, TypeScript, Node.js, Firebase, Plaid API, OpenAI API, Vercel

Jan 2025

- Built a secure financial management platform integrating Plaid API, implementing transaction syncing and AI-driven financial insights.
- Implemented OAuth authentication with Firebase and encrypted API requests, ensuring secure financial data access.
- Optimized performance with a CI/CD pipeline on Vercel, reducing release cycles by 40% and improving load times by 65%.

MoodTunes | Java, Spring Boot, React, Firebase, Spotify API

Sept. 2024

- Developed a full-stack music recommendation platform integrating Spotify API to generate mood-based playlists using user preferences and real-time authentication via Firebase.
- Developed a scalable Spring Boot backend with RESTful APIs, optimizing data models for personalized recommendations and secure user management.
- Engineered a responsive React frontend with protected routes, improving user engagement through seamless authentication and dynamic playlist updates.

StudyPilotAI | React, Node, Firebase, OpenAI API, JWT, RESTful APIs

June 2024

- Engineered an AI-driven study planner using OpenAI's GPT models, implementing adaptive learning strategies and optimizing API calls to reduce response latency by 30%.
- Developed a scalable React frontend with Firebase Authentication & Firestore for secure, real-time user management.
- Designed RESTful APIs with JWT authentication, rate limiting, and input validation for enhanced security and performance.
- Optimized deployment on Vercel, reducing API response times by 30%.

EDUCATION

Florida A&M University

Tallahassee, FL

B.S in Computer Science

2025

Florida A&M University

Tallahassee, FL

B.S in Interdisciplinary Studies

2023