NATHAN HECKMAN

FULL STACK SOFTWARE DEVELOPER

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PROFILE

Self-motivated software developer with expertise in web application development, continuous integration and deployment, version control, and user experience. Known for creating impactful solutions for company products and teams. Always willing to assist others in short notice to learn new skills and refine existing ones.

EDUCATION

Bachelor of Science in Computer Science   May 2022
Georgia State University | Atlanta, GA

PROFESSIONAL EXPERIENCE

Application Developer   Aug 2024 - Current
ADP | Alpharetta, GA
- Promoted to role with increased responsibilities after annual performance review
- Serve as primary on-call engineer leading critical incident response for organization application support
- Lead discussions on microservice observability dashboard metrics and implement code optimizations
- Develop code solutions for recurring issues and automate antiquated processes to improve efficiency
- Conduct research and development of application support AI agent utilizing Ollama, LangChain and LangGraph for custom tool calling, embedding corporate knowledge base documents and Jira tickets

Associate Application Developer   Aug 2022 – Aug 2024
ADP | Alpharetta, GA
- Integrate custom Angular components and logic on payroll innovation team, review and markup peer code
- Manipulate MySQL database to troubleshoot live production issues, participate in issue war rooms
- Began role in six-week bootcamp, designed online W-2 completion single-page application with React in teams, dynamically allocated user roles, integrated with Java Spring Boot API and Toad database
- Presented final project to professional developers and corporate leadership, advocated for integration of our product into existing employee onboarding process and explain high-level design and development

IT Infrastructure Intern   Oct 2021 – Jun 2022
Neenah | Alpharetta, GA
- Provided live troubleshooting and auditing of user computers and network equipment, automated employee laptop configurations and computer warranty retrieval with PowerShell and Python
- Maintained company group policy and Active Directory, surveyed Wi-Fi reachability and access
- Coordinated global cybersecurity training initiative, lead administration of newly integrated Cisco Umbrella cloud security platform

PROJECTS

Application Support AI Agent
- Python, LangChain, LangGraph, and Ollama tool calling capable LLM, custom React front end
- Streamline war room triage by providing agent with production database and knowledge base document vectorization/embedding for contextual analysis of production clients and issues

Developer Portfolio Site
- TypeScript, React, Bootstrap, HTML/CSS, deployed on Firebase
- Utilizes Amazon S3 and Amazon CloudFront to accelerate delivery of static images and web components

Computer Warranty Retrieval Automation
- Python script to analyze raw CSV data and retrieve laptop warranty data via public HP API
- Drastically improved turnaround time for computer audit reports, eliminated all manual input in task flow

TECHNICAL SKILLS

Angular, React, Java, Python, JavaScript, TypeScript, RxJS, Node, Docker, HTML, CSS, Sass, Git, LangChain, LangGraph, BitBucket, Elasticsearch, Amazon Q, GitHub Copilot, Visual Studio Code, AWS, Azure, MySQL, PostgreSQL, Jira, Opsgenie, Postman, Mockito, Jasmine, Spring Boot, Lombok, Gradle, Maven, Bootstrap, Firebase, IntelliJ, NPM, Flask, Splunk, Ollama, and more!

CERTIFICATIONS

AWS Certified Developer – Associate, AWS Certified Solutions Architect – Associate, AWS Certified Cloud Practitioner, CompTIA Security+, CompTIA Network+, CompTIA A+