

CHRISTOPHER A. FROME

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PROFESSIONAL SUMMARY

A highly accomplished Web and Software Developer with over 6 years of experience in designing, developing, and deploying innovative applications. Proven expertise in cloud infrastructure, automation, and building scalable systems using AWS, Kubernetes, and Docker. Committed to leveraging cutting-edge technologies to deliver impactful and robust solutions in dynamic environments.

Core Technologies: Ansible, Angular, React, AWS, Docker, Kubernetes, GitLab CI/CD, Node.js, Python

EXPERIENCE

WEB DEVELOPER

Johns Hopkins Applied Physics Laboratory | Laurel, MD

June 2022 – March 2025

- Used **Ansible** to provision EC2 instances with required software and packages for secure data processing environments.
- Engineered robust data acquisition, storage, and retrieval systems using AWS for hardware integration.
- Managed AWS infrastructure deployment via CloudFormation and Serverless Application Model (SAM).
- Created Python-based serverless functions to interface with the API, streamlining data operations.
- Led front-end and back-end development for a unified display interface, configuring hardware and presenting real-time data using Node.js, Vue.js, and Sails.js.
- Automated Docker image creation and deployment artifacts via GitLab CI/CD pipelines.
- Implemented comprehensive Python-based regression and unit testing for software applications.
- Contributed to backend API development for an internal presentation platform using Nest.js and Swagger/OpenAPI.

DEVOPS ENGINEER

Applied Insight | Fulton, MD/Remote

November 2018 – June 2022

- Developed front-end features using **Angular** for internal tools, including reactive forms, routing, and modular services.
- Built **React**-based cloud access portal using functional components, hooks (useEffect, useContext), and RESTful integrations with AWS/Okta APIs.
- Developed and refactored full-stack user/inventory management tools using **Angular** (frontend), Laravel PHP and Django REST (backend).
- Contributed to a cloud environment access portal using **React**, JavaScript, MongoDB, and Molecular microservices, deployed on AWS EKS.
- Automated Docker container deployment to Kubernetes clusters using GitLab CI.
- Developed custom AWS Config compliance and remediation solutions with Lambda and Python.

EDUCATION

MASTERS OF SCIENCE, INFORMATION SYSTEMS

University of Maryland-Baltimore County | Baltimore, MD
Concentrations: User Experience (UX) Design & Cybersecurity

August 2020 – August 2023

BACHELORS OF SCIENCE, COMPUTER SCIENCE

James Madison University | Harrisonburg, VA
Minor: Environmental Information Systems

August 2014 – May 2018

TECHNICAL SKILLS

- **Cloud:** AWS (Lambda, EC2, EKS, ECS, S3, DynamoDB, CloudFormation, SAM, Step Functions, Textract, CodePipeline), Terraform
 - **DevOps:** Docker, Kubernetes, Helm, GitLab CI/CD, **Ansible**, SaltStack, Vagrant, Unit/Integration Testing (Junit, PyTest, Jasmine, Karma, and Selenium)
 - **Web Development:** JavaScript/TypeScript, Node.js, Vue.js, **React**, **Angular**, Django, Sails.js, Express.js, Nest.js, Laravel (PHP), REST API
 - **Databases:** SQL, NoSQL (MongoDB, DynamoDB)
 - **Programming Languages:** Python, Go, Java (Spring), PHP
 - **Application Development:** Electron, Swagger/OpenAPI
 - **APIs:** AWS, Active Directory, Zendesk, Okta, Kion.io
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ADDITIONAL INFORMATION

ACHIEVEMENTS

- Eagle Scout with Silver Palm (15 extra merit badges), Boy Scouts of America
- Vigil Honor - The highest honor in the Order of the Arrow
- Leave No Trace Trainer

COMMUNITY INVOLVEMENT

- Assistant Scoutmaster, Troop 1191, Mount Airy, MD

HOBBIES

- Skiing, Biking, Camping, Hiking, Community Service/Volunteering