

David Cannan

Location: *Douglasville, Georgia, United States*

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Summary:

Passionate software engineer with expertise in innovation, automation, and open source development. Adept at deploying complex web applications, APIs, and tools utilizing AI/ML, various programming languages, and cloud technologies.

Skills:

- **Programming Languages:** *Python, Javascript, C++, and Java.*
- **Frameworks:** *Flask, Django, Nextjs, Angular, Sanity.io, .NET, Htmx.*
- **Databases:** *WeaviateDB, Chroma, SQL, NoSQL.*
- **Query Language:** *GraphQL, SQL.*
- **Cloud Computing:** *AWS Lambda, DynamoDB, GCR.*
- **Automation:** *Using APIs, webhooks, and scripting.*
- **Containerization:** *Docker, Kubernetes, Ansible, Terraform, Vagrant.*
- **AI & ML:** *Pandas, Models & Training, Testing.*
- **Cybersecurity & Bug Bounty Hunting:**

Professional Experience / Projects:

Full-Stack Development:

- **Sanity-Blog-Nextjs:** Built repeatably deployable pipelines for gathering, processing, and managing security recon data using Docker, Ansible, and custom Python scripts. Enhanced cybersecurity capabilities.

DevOps & Automation:

- **Automated-Stock-Video-Metadata-System**: Developed automation software using Python which reduced video metadata processing time by 50%. Streamlined workflows and improved efficiency.
- **AwsBrevityReconProject**: Leveraged AWS services like EC2, S3, and Lambda to automate security reconnaissance tasks, reducing manual effort by 70%. Identified vulnerabilities more quickly.
- **BugBounty-Infrastructure**: Built repeatably deployable pipelines for gathering, processing, and managing security recon data using Docker, Ansible, and custom Python scripts. Enhanced cybersecurity capabilities.

AI Bots & Applications:

- Set up and deployed local development environments and tools to build AI applications.
- Managed information and data using vector databases, including Pinecone.
- Created AI bots and applications using ML and NLP; trained and tested models.

Cybersecurity & Bug Bounty Projects:

- Developed components and systems focused on bug bounty hunting and cybersecurity.

Links:

- LinkedIn: [David Cannan](#)
- GitHub: [Cdaprod/Cdaprod](#)
- Publications: [Nextjs Sanity Blog](#)

Employment History:

CDA Photography LLC - Douglasville, Georgia (2018-2022)

Owner and Product Developer

- Offered photo/video and editing services for schools, businesses, and families in the West-Atlanta area. Developed infrastructure for: cloud resources, content delivery, and photography client data and access.

- Maintained e-commerce website and managed domain security and backend servicesManaged off-premise backups and updates.

T&T Caseworks - Douglasville, GA (2021-2022)

Head of Lamination Department

- Led the department to significant profits by implementing efficient processes and driving productivity.
- Constructed and programmed CNC machines using programmable logic controllers in C++ and Python.

Grace Christian Academy - Powder Springs, Georgia (2015-2018)

Primary Janitorial Custodian

- Head of janitorial and maintenance; oversaw the property and established efficient workflows for tasks.