

# Cameron Arnold

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## WORK EXPERIENCE

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### Geiger

*Full Stack Web Developer II*

**February 2022 – Present**

*Lewiston, ME*

- Promoted to lead the development of our proprietary headless content management system built on PayloadCMS, integrated with our Next.js codebase. Both services are containerized using Docker, orchestrated through Bitbucket Pipelines, and deployed to AWS ECS. The CMS serves as an intermediary layer that distributes site-specific data via a GraphQL API, queried dynamically on a per-domain basis. Our Next.js application sits behind an Application Load Balancer, routing incoming requests to the appropriate service based on DNS records. This architecture reduced development time by approximately 70% for standard site launches and 40% for sites requiring custom features.

*Full Stack Web Developer*

*Lewiston, ME*

- Use various technologies (Javascript, JQuery, SQL, Node, Next.js, PHP, Apache Velocity, React) to develop in-app e-commerce solutions and maintain complex legacy infrastructure. These vary from redevelopment of a homepage for better UI/UX, to sending/sanitizing data from the client and implementing CSRF protection to enhance security against cyberattacks.
- Meet strict deadlines from various high-profile clients including but not limited to, Hershey's, Activision, Ocean Spray, AT&T, and State Farm.
- Took lead on implementing modularization in our Next.js codebase to make components more reusable by ensuring separation between presentation and business logic, and compartmentalizing site-specific changes to configuration files. These changes reduced development time by 40%, allowing for quicker releases and happier clients.

### 42 School

*Software Engineer*

**May 2020 – July 2020**

*Silicon Valley, CA*

- Wrote a rudimentary file system and barebones OS kernel in C with the goal of researching minimalistic systems development. This OS was benchmarked at using 20% less CPU power, allowing for more frugal computations.

### Ithaca College

*Researcher*

**January 2022 – August 2022**

*Ithaca, New York*

- Developed and deployed a SQL database to hold records for criminal cases in order to identify potential trends of judicial corruption in courts.
- The schema for this database was co-developed by a former C.S student at Ithaca who'd been wrongfully imprisoned. I'd taken the opportunity to revise his work and produce a database from letters he'd sent from prison over the years.

## EDUCATION

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### Ithaca College

*B.S Computer Science*

**August, 2022**

*Ithaca, New York*

## SKILLS & INTERESTS

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- **Languages/Skills:** React, Next.js, TypeScript, JavaScript, HTML, CSS, SASS, jQuery, SQL, PostgreSQL, MongoDB, Node.js, Express.js, Python, Django, Bash, Git, AWS, Docker, CI/CD, GraphQL, REST APIs, Full-Stack Development, Agile, UI/UX, Scalable Architecture, OOP, Functional Programming, Programming