

Alsia Plybeah

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PROFESSIONAL SUMMARY

Forward-thinking and well-rounded Software Engineer and Enterprise Systems Analyst with over six years of web development including four years of direct experience designing, developing, testing, implementing, and maintaining state-owned legacy applications and programs. Proficient in data conversion leveraging hand-coded scripts that are crafted based on project requirements/specifications.

TECHNOLOGY PROFILE

Languages	Frameworks	Libraries	Infrastructure	Databases
<ul style="list-style-type: none">▪ SQL▪ Python▪ Ruby▪ JavaScript▪ C▪ Golang	<ul style="list-style-type: none">▪ Node▪ Django▪ Rails▪ Express	<ul style="list-style-type: none">▪ React▪ Vue▪ Remix	<ul style="list-style-type: none">▪ Heroku▪ AWS Cloud Services▪ Docker▪ Terraform	<ul style="list-style-type: none">▪ MongoDB▪ PostgreSQL

WORK EXPERIENCE

Software Engineer, Nava PBC, Washington, DC August 2019- August 2024

State Proposal: WIC Montana Eligibility Screener and Recertification

- Developed system specific APIs to allow siloed technologies that feed and extract from the WIC Montana Eligibility Screener and Recertification to communicate with one another as well as facilitate single sign on authentication.
- Managed the infrastructure from project start to launch, including networking, monitoring, host management, CI/CD, and databases.
- Implemented and managed an analytics dashboard using a low-code tool.
- Created and maintained a model cloud infrastructure to support analytics dashboards and web applications.
- Planned and prioritized infrastructure modernization tasks.

State Project: Massachusetts Paid Family and Medical Leave program (PFML)

- Contributed to the project from bid to project launch by configuring and maintaining infrastructure and connecting partner services such as Pager Duty and New Relic.
- Created a scripted tool to reduce administrative burden for engineers during the deployment process.
- Maintained continuous awareness of changing legislation to adhere to the most up to date compliance mandates for the state application.

Federal Project: Department of Veteran's Affairs (DVA)

- Contributed to the DVA Virtual Hearings project by modernizing databases, integrating newer technologies into legacy systems, and creating a user-friendly video interface.
- Migrated and transformed the VA's legacy system from a custom system to an enterprise service (PostgreSQL).

- Introduced the concept of human-centered design to the project as well as developed analytics dashboard for project monitoring and reporting to senior leadership.
- Installed and configured monitoring and security systems to ensure FedRAMP compliance.
- Improved a proprietary system by making it more secure and easier to maintain through the removal of redundant scripts and routines.

Federal Project: Simpler Grants HHS

- Contributed to security compliance by configuring monitoring services such as AWS SecurityHub and reviewing standards for NIST 800-53.
- Managed the infrastructure of the project including networking, CI/CD, and automation.
- Contributed to the open-source documentation related to this project with system architecture diagrams and articles.

Corporate/Internal assignments

- Developed system tools, including a command line interface (CLI) tool written in Bash and a template tool to manage infrastructure with Terraform. This reduced the time it took the team to initialize and test a new application from a week to four days.
- Created documentation and technical diagrams to communicate engineering work to the broader team.
- Maintained infrastructure and enforced security best practices, as well as automated code deployment processes.

Engineering Intern

Summer 2019

Nava PBC, Washington, DC

- Completed continuing education requirements that laid the foundations for understanding government contracting and working with accessible hardware.
- Proposed and implemented secure monitoring services such as Sentry and Data Dog.
- Improved the Department of Veteran Appeals digital accessibility offerings as a part of the department's appeals modernization process.

EDUCATION & CERTIFICATIONS

- AWS Certified Cloud Practitioner (CCP)
- Software Engineering Immersive (SEI) Bootcamp via General Assembly
Participated as a full stack development student at a 500-hour immersive course dedicated to Model–View–Controller (MVC) frameworks, skills building and team collaboration.