

Leo Pitts

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SUMMARY

Front End **Web Applications** Developer with 7+ years delivering JavaScript, HTML5, and CSS solutions for federal budgeting, **higher education** planning, and enterprise reporting environments. Advanced object-oriented JavaScript, REST API integration, XML and JSON data handling, debugging, and interactive UI/UX work support dependable mission applications. Experience with **SAP Analytics Cloud** Analytics Designer includes new feature delivery, application support, requirements review, interface feasibility analysis, performance tuning, scalability work, and technical documentation. Recent delivery supported a **Budget and Spend** application used by government finance stakeholders through reusable planning widgets, reporting dashboards, and data-rich workflows. Active Public Trust clearance and U.S. citizenship support federal service, backed by thoughtful collaboration with product, design, QA, customer, and engineering teams.

EXPERIENCE

Senior Front End Web Applications Developer

January 2023 - Present

Civic Ledger Technologies

Arlington, Virginia

Guides front-end delivery for a federal **Budget and Spend** application, supporting SAP Analytics Cloud Analytics Designer, JavaScript services, interactive planning workflows, reporting dashboards, and production operations. Leads technical decisions across requirements, UI/UX feasibility, performance, documentation, code quality, and agile release readiness while mentoring developers and maintaining clear customer communication.

- Translated quarterly federal planning requirements into reusable **SAP Analytics Cloud Analytics Designer** widgets and JavaScript services, giving finance analysts consistent workflows across budget scenarios.
- Combined REST responses with XML and JSON transformations for appropriation, obligation, and forecast views, helping program users review financial data through one reporting experience.
- Refactored object-oriented **JavaScript** modules and event handling, removing duplicate logic and making new **planning** features easier to debug, test, and release.
- Partnered with product owners and UX designers during interface reviews, resolving navigation constraints early and documenting technical decisions before sprint implementation.
- Used browser profiling and API response checks on high-use screens, addressing rendering bottlenecks and improving usability for large reporting datasets without changing business rules.
- Led peer **code reviews** and release-readiness discussions within an agile SDLC, mentoring two developers on SAC scripting, accessible UI construction, and maintainable documentation.

Front End Software Engineer

June 2021 - December 2022

Blue Ridge Digital Works

Richmond, Virginia

Delivered front-end features for a statewide grants and expenditure portal used by agency finance teams. Combined JavaScript, HTML5, CSS, REST integrations, structured debugging, and release documentation to support interactive reporting, reliable planning data, and clear coordination among product, QA, and customer teams.

- Delivered JavaScript, **HTML5**, and **CSS** features for a statewide grants and expenditure portal, helping agency finance teams review planned and actual spending through familiar workflows.
- Built REST API consumers with validation for inconsistent **XML** and **JSON** payloads, keeping malformed records out of planning tables and simplifying integration troubleshooting.
- Converted static reporting screens into interactive filters, drilldowns, and status components, giving budget administrators faster access to relevant expenditure details.
- Applied **object-oriented design** and modular CSS conventions across an expanding codebase, clarifying ownership boundaries during parallel feature development.
- Investigated browser, network, and data-binding defects through structured **debugging** and regression testing, resolving issues before scheduled customer demonstrations.
- Recorded UI changes, API assumptions, and deployment notes in sprint artifacts, helping product, QA, and customer representatives review releases with fewer clarification cycles.

Web Applications Developer

August 2020 - May 2021

Northstar Campus Analytics

Charlottesville, Virginia

Developed front-end planning and institutional reporting features for a higher education analytics platform. Supported JavaScript, HTML5, CSS, REST services, responsive dashboards, data mapping, wireframe reviews, testing, and agile delivery from refinement through validation.

- Developed **JavaScript**, **HTML5**, and CSS planning features with REST services, enabling department administrators to compare enrollment forecasts, operating plans, and actual expenditures.
- Implemented dashboard controls and responsive data views, helping **higher education** users examine planning information without losing established **reporting** context.

- Mapped JSON service responses and legacy XML exports into display models, documenting field behavior for QA analysts and downstream application support.
- Reviewed wireframes with designers and identified browser, accessibility, and data-volume constraints early, allowing interaction patterns and sprint estimates to be adjusted.
- Used browser developer tools, unit checks, and repeatable test scenarios to isolate calculation-display defects and stabilize release candidates.
- Contributed to **agile** ceremonies, pull-request reviews, and release documentation while completing assigned stories independently from refinement through validation.

Junior Web Applications Developer

July 2019 - July 2020

Prairie State Software Lab

Sioux Falls, South Dakota

Built supervised JavaScript components for reporting and workflow prototypes demonstrated to public-sector and education stakeholders. Practiced front-end implementation, **API integration**, object-oriented programming, debugging, testing, source control, code review, and SDLC checkpoints under senior engineering guidance.

- Built supervised **JavaScript** components for reporting and workflow prototypes, helping senior developers demonstrate budget and status scenarios to public-sector and education stakeholders.
- Created **HTML5** and CSS layouts for dashboard cards, tables, forms, and responsive navigation, aligning implementation with approved **interface designs**.
- Connected prototype screens to REST endpoints and parsed XML and JSON data for budget, account, and status simulations used during classroom and client demonstrations.
- Applied object-oriented programming principles to reusable validation and formatting utilities, reducing repeated code across early application modules.
- Executed browser debugging and documented reproducible defects, test evidence, and application changes, giving senior developers and QA reviewers clear follow-up material.
- Participated in sprint planning and **code reviews**, incorporating feedback on naming, source control, **SDLC** checkpoints, and maintainable front-end practices.

PROJECTS

Federal Budget Scenario Explorer 📅 2024

Created a separate prototype for comparing budget scenarios through interactive JavaScript controls, REST data services, JSON mapping, and responsive reporting views. Focused on clear decisions, usable evidence, and maintainable front-end structure.

Higher Education Planning Dashboard 📅 2022

Built a planning dashboard concept that combines XML exports and JSON service data into accessible enrollment, operating plan, and expenditure views. Work centered on practical collaboration between analysts, designers, and application support.

LEADERSHIP & AWARDS

- 2024 - Recognized by engineering leadership for dependable SAP Analytics Cloud feature delivery on a federal Budget and Spend release.
- 2023 - Received peer recognition for mentoring developers through JavaScript code reviews, debugging sessions, and clear implementation documentation.
- 2021 - Named a customer-ready contributor after stabilizing statewide grants portal demonstrations through focused testing and defect resolution.

EDUCATION

Bachelor's Degree in Computer Science

2018

South Dakota State University GPA: 3.7

Brookings, South Dakota

Coursework: Object-Oriented Programming, Web Development, Database Systems, Software Engineering

CERTIFICATIONS

- SAP Analytics Cloud Analytics Designer Learning Journey 📅 2024
- JavaScript Algorithms and Data Structures 📅 2020
- Public Trust Clearance - Active 📅 2023

TECHNICAL SKILLS

- **Front-End Languages:** JavaScript, HTML5, CSS
- **SAP Analytics Cloud:** Analytics Designer, SAC Scripting, Planning Applications
- **API Integration:** REST APIs, API Consumers, API Responses

- **Data Formats:** XML, JSON, Data Mapping
- **Programming Design:** Object-Oriented Programming, Modular Design, Event Handling
- **UI Engineering:** UI/UX Components, Interactive Dashboards, Responsive Design
- **Performance Tools:** Browser Profiling, Developer Tools, API Response Checks
- **Testing Practices:** Unit Checks, Regression Testing, Test Scenarios
- **Delivery Methods:** SDLC, Agile, Lean Practices
- **Source Collaboration:** Git, Pull Requests, Code Reviews
- **Application Documentation:** Technical Documentation, API Assumptions, Deployment Notes
- **Public Sector Domains:** Federal Budgeting, Grants Portals, Higher Education Analytics

SKILLS

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|-----------------------|-------------------------------|-------------------------|---------------------------|
| • JavaScript | • REST APIs | • Web Development | • API Integration |
| • SAP Analytics Cloud | • XML | • UI/UX Components | • Agile Practices |
| • HTML5 | • JSON | • Front-End Performance | • Technical Documentation |
| • CSS | • Object-Oriented Programming | • Browser Debugging | |

PROFESSIONAL AFFILIATIONS

- Member, Association for Computing Machinery; exchanges front-end practices with software engineers and supports peer learning.
- Member, Federal Information Systems Community; participates in conversations connecting technology delivery with public-sector service needs.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST