

# Adrian Lloyd Flanagan

## Senior Software Engineer

Richmond, VA, (804) 678-9048  
lloyd.flanagan@proton.me

### Summary

Dynamic Senior Software Engineer with over 25 years of experience in building, testing, and maintaining robust applications and optimizing legacy systems. Proficient in Python, C, JavaScript/TypeScript, Django, and other web frameworks. Highly experienced with relational database design, implementation, and programming. Collaborated on development of multiple marketing and sales websites for diverse clients. Developed DevOps processes for CI/CD and deployment of complex systems.

### Skills

Python	Django	AWS C2, S3, ECS	Data Modeling
C/C++	Wagtail	Docker	Microservices
JavaScript	Ruby on Rails	GraphQL	Full Stack
TypeScript	Express	CI/CD	
SQL	ReactJS	Agile methodology	Mentoring
PostgreSQL	Cypress	Testing Procedures	Code Reviews
		Software Design	

### Employment

#### Mobelux LLC

SENIOR PLATFORM DEVELOPER

Oct 2019 - Dec 2024

- Developed front-end components using JavaScript, React, TypeScript, and Angular for both Django and Express backends.
- Engineered data models, components, and interfaces using Python and Django for the Unboxed Technology marketing website, and other clients.
- Conducted functional UI tests with Cypress for a medical startup's visualization website, ensuring compliance with FDA 510(k) requirements.
- Devised custom components for Wagtail (Python/Django CMS builder) to implement a CMS tailored for client-generated content.
- Revamped and maintained a legacy custom CMS for a tourism site, utilizing Ruby on Rails.
- Developed an Express/ReactJS site for internal operations of a major retail company.
- Orchestrated deployments of sites using Heroku, AWS C2, and Docker with AWS ECS services.
- Designed and developed APIs to back-end processes.
- Developed CI/CD processes and workflows, using local tools and GitHub Actions.

#### Berkshire Hathaway Media Group, Inc.

SENIOR APPLICATION DEVELOPER

August 2012 – Sept 2019

- Oversaw the management of more than 40 news websites nationwide, including front-end development and CMS integration.
- Streamlined the conversion of various legacy systems to a unified CMS, ensuring existing articles remained accessible.

- Wrote custom Python scripts for data conversion and cleanup, extracting data from a wide variety of existing sites.

**Fahrenheit Technology, Inc., Richmond, VA**  
CONSULTANT FOR MEDIA GENERAL

**January 2012 – August 2012**

- Collaborated as a developer within an agile team to re-implement a Python, Django, and PostgreSQL website for weather alerts.
- Contributed to establishing agile methodology as the standard operational framework.

**Fahrenheit Technology, Inc., Richmond, VA**  
CONSULTANT FOR ACISION LLC

**September 2009 – January 2012**

- Executed C++ development of a multi-threaded voicemail system, adding features as directed by product managers.
- Debugged complex threading and memory management problems.

**Circuit City Stores, Inc., Richmond, VA**  
PROGRAMMER/ANALYST, SERVICES IT

**January 2006 – March 2009**

- Optimized and maintained production systems used in 600+ Circuit City stores.
- Developed in-store support applications for rollout of the Firedog technical support offering.

**Fahrenheit Technology, Inc., Richmond, VA**  
CONSULTANT FOR CIRCUIT CITY

**August 2002 – December 2005**

- Engineered in-house client-server database applications to elevate customer service capabilities.
- Rewrote existing C-based database processes using Python, simplifying them.
- Developed end-user applications in Java and J2EE.

**Capital One Financial Services, Richmond, VA**  
DEVELOPMENT ASSOCIATE

**1997 – 2002**

- Programmer for department tasked with digitizing about 100 million customer statements monthly.
- Collaborated on tools to process statement images into a data warehouse, allowing Capital One to roll out a web site with customer transaction data.
- Used PL/SQL for Oracle databases and Oracle's C++ SDK.

## Education

07/1989 – 05/1995

Virginia Commonwealth University  
BS, Computer Science (Economics Minor)

Richmond, VA