

# Matthew Smith – Software Developer

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**Key Technologies:** Java (Spring Boot, Maven, Gradle), Python (Django), JavaScript/TypeScript (React, Angular, Svelte, Node.js, npm), Relational Databases (MySQL, PostgreSQL, SQL Server), Git

Federal + Private Sector Experience

Based in KY | Open to Remote Roles in the USA. | Open to Roles in KY.

## Summary

Senior Full-Stack Developer with 10+ years of experience building and modernizing complex systems in both federal and private sectors. Actively contribute to architectural discussions and collaborate on design decisions. Proven success leading efforts on large-scale applications, mentoring teams, and driving improvements in the developer experience, performance, and maintainability. Fluent across modern and legacy stacks such as Java (Spring Boot, Quarkus, GWT), Python (Django), and JavaScript/TypeScript (React, Svelte, Angular). Experienced in remote, async collaboration and cross-functional team environments.

## Work Experience

**Software Engineer | 4 Arrows Consulting (FEMA Contract – PrepToolkit) • 2019–Present**

- Delivered features across multiple FEMA PrepToolkit modules, including Unified Reporting Tool (URT), Radiological Emergency Preparedness Program (REPP) Exercises, and Homeland Security Exercise and Evaluation Program (HSEEP) tools used by local, regional, federal, and private partners.
- Led enhancements and updates to URT assessment systems for each fiscal year cycle.
- Modernized legacy apps during the transition from max.gov to PrepToolkit, including Threat and Hazard Identification and Risk Assessment (THIRA), Comprehensive Preparedness Guide (CPG), National Incident Management System (NIMS), and Urban Area Working Group (UAWG)
- Collaborated on architectural decisions and led code reviews across both legacy GWT modules and modern Svelte-based services, ensuring technical consistency and maintainability across the stack.
- Supported containerized Java microservices built with Quarkus, deployed using Podman.
- Provided mentorship to junior developers by demonstrating established code quality standards, reviewing PRs, and supporting architectural understanding across legacy and modern codebases.

**Tech Stack:** Java, Spring Boot, Gradle, Quarkus, Google Web Toolkit (GWT), MySQL, Liferay 7, Apache HTTP Server, JavaScript/TypeScript, Svelte, Node.js, npm, AWS Lambda, Git

**Applications Developer | United Parcel Service (UPS) • Louisville, KY • 2017–2019**

- Maintained and enhanced enterprise logistics systems used across UPS ground operations.
- Developed UI features and backend logic for a real-time transportation visibility and logistics system.
- Collaborated across teams to implement and test new features from requirements through deployment.
- Translated requirements into discrete rules for the Drools inference engine to process.
- Conducted performance tuning initiatives using JMeter and Roadrunner to optimize logistics workflows. Identified and resolved bottlenecks in real-time transportation tracking systems.
- Delivered features on a three-week agile sprint cycle.
- Provided 24/7 production support (on rotation with the rest of the team members).

**Tech Stack:** Java, Spring Framework, Maven/Gradle Drools (BRMS), WebLogic, ActiveMQ, SQL Server, TFVC

**Software Developer | Apax Software • Lexington, KY • 2016–2017**

- Managed multiple projects and client requests simultaneously, using GitHub Flow for deployment and version control.
- Developed web applications for clients including Presbyterian Church (USA) and University of Kentucky's College of Public Health.
- Built custom CMS tools, event registration systems, nomination management, and online surveys for Presbyterian Church (USA) using Python/Django and AngularJS.
- Heavily involved in the full software development lifecycle of a project for University of Kentucky's College of Public Health, including a mobile web app (Fit Face-Off), and interactive wellness tool for team and individual fitness challenges.

**Tech Stack:** Python, Django, JavaScript (AngularJS, jQuery), Bootstrap, AWS, Git, PHP, Drupal

**Programming Analyst | Knowledge Facilitations Group (KFG) • Richmond, KY • 2015–2016**

- Contributed to KFG's Electronic Data Interchange (EDI) platform, EDITRACE, by developing backend Python components for its translation, validation, and mapping engine in close collaboration with the Business Analyst and broader development team.
- Built tools to process and validate data in a variety of formats, including XML, X12, EDIFACT, CSV, Excel, Tradacom, JSON, and IDoc, and assisted with managing data flow to and from databases.
- Analyzed EDI processes in real-time production environments with other developers to identify and resolve transaction errors.
- Implemented a web-based console for users to inspect and analyze any aspect of the EDI process in real time.

**Tech Stack:** Python, EDI (X12, XML, EDIFACT, Tradacoms, JSON, IDOC), Bootstrap, Git

## Education

Eastern Kentucky University – Richmond, KY

B.S. in Computer Science, 2015

Member, Upsilon Pi Epsilon Honors Society for the Computing and Information Disciplines

## Technical Proficiencies

**Languages:** Java, Python, JavaScript/TypeScript, SQL, Swift, Kotlin, PHP, C#, HTML, CSS

**Frameworks:** Spring Boot, Quarkus, Django, GWT, React, Svelte, Angular, .NET, Bootstrap, Tailwind

**CMS & Platforms:** Liferay, Drupal, AWS (Lambda, S3), Apache HTTP Server, MySQL, Postgres, SQL Server

**DevOps & Tools:** Git, GitHub Flow, Maven, Gradle, npm, Node.js, JMeter, ActiveMQ, WebLogic, Docker, Podman, Kubernetes

**Other:** Remote Collaboration, Agile/Scrum, CI/CD Pipelines, Legacy System Modernization