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), Go (Goroutines, Channels, net/http, Gin, gRPC, go modules), 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 annual updates to URT assessment systems, aligning with fiscal year requirements.
- 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 and deployed via 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, streamlining complex logic processing.
- 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, ensuring minimal downtime and rapid issue resolution, contributing to overall system reliability.

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

Software Developer | Apax Software • Lexington, KY • 2016–2017
- Delivered Python/Django and AnjularJS web applications for clients including Presbyterian Church (USA) and University of Kentucky, boosting user engagement.
- Developed CMS tools, event registration systems, and wellness apps, improving client workflows.
- Managed multiple client projects simultaneously using GitHub Flow for efficient deployment and version control.

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, Go, Swift, Kotlin, PHP, C#, HTML, CSS
Frameworks: Spring Boot, Quarkus, Django, GWT, Gin, 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, go modules, JMeter, ActiveMQ, WebLogic, Docker, Podman, Kubernetes
Other: Remote Collaboration, Agile/Scrum, CI/CD Pipelines, gRPC, net/http, Legacy System Modernization