

# Jim Brighter

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Senior software engineer with expertise in backend and AWS cloud development in large, customer-facing software systems. Experienced in leading development teams to deliver meaningful results in critical applications.

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## Experience

### Walmart Global Tech / Senior Software Engineer

DEC 2023 - PRESENT, RESTON VA

- NodeJS and Express backend development and kubernetes devops in Cloud Powered Checkout
- Led an effort to decommission two redundant applications by migrating API logic into other services and enhancing functionality, reducing developer overhead and time spent on maintenance
- Enhanced application monitoring and alerting in Prometheus and Grafana to have improved visibility during production releases, improving release confidence and reducing the need for ad-hoc validation
- Led development of a new service using websocket connections to transmit data asynchronously from a Redis cache to clients, replacing a long-polling route and eliminating unnecessary errors
- Designed a system to enable parsing multiple different types of IDs at self-checkout to improve customer purchasing experience and reduce the need for store employee intervention
- Led migrations off of legacy, homegrown tools to more modern, enterprise-supported and/or open-source solutions, improving developer experience and eliminating several bugs in core logic across six services
- Jenkins pipeline development for multiple apps to enable full CICD deployments to 4500+ clusters

### Capital One / Manager, Software Engineering

FEB 2023 - DEC 2023, MCLEAN VA

- Directly managing two software engineering teams owning four different applications
- Working with Product Owners and tech leadership to prioritize work on the teams
- Collaborating with partner teams to deliver work across the Money Movement organization
- People leader for six developers ranging from junior to senior level
- Leading technical system design and architecture decisions for multiple initiatives across both teams
- Incident management: leading resolution, root cause analysis, and presentation to leadership for production incidents
- Occasional hands-on development work and production support as needed

### Capital One / Principal Associate - Senior Software Engineer

JULY 2021 - FEB 2023, MCLEAN VA

- Designing, architecting, and building new APIs and integrating them with existing systems
- Owning large-scale development projects and influencing team decisions
- Mentoring and managing junior developers on the team
- Working with Product Owner and tech leadership to prioritize work on the team
- All development and production support responsibilities of previous position

### Capital One / Senior Associate - Software Engineer

NOV 2018 - JULY 2021, MCLEAN VA

- Java development & devops supporting Remote Deposit Capture API (RDC) for mobile check deposits, and Commonflow API (other rails of money movement including wire transfers and cashiers checks) for Retail and Direct Banking Technology
- AngularJS and Angular 7 development for Money Movement components of capitalone.com
- Jenkins pipeline development for RDC, Commonflow, and UI applications, integrating with tools like Sonarqube, Jmeter performance testing, and static code security scans
- Maintaining Dockerfiles and Cloudformation templates for APIs
- Production support using Splunk, Newrelic, and Cloudwatch alerting/monitoring

## **Infostellar Inc / Agile Software Developer**

JUN 2018 - NOV 2018, MCLEAN VA

- Java devops at Department of Homeland Security - United States Citizenship and Immigration Services
- Development on MyVerify web application using Java, Microsoft SQL Server, Spring, JUnit
- Using Docker to containerize applications and their components to be deployed on AWS and OpenShift platforms
- Designing Jenkins pipeline to automate builds and deployments
- Improving application stability and security with automated testing and scanning, e.g. Fortify, Sonarqube, Selenium

## **Revature Inc / Software Developer**

JAN 2016 - JUN 2018, WASHINGTON DC

- Java and AngularJS DevOps at Department of Homeland Security - United States Citizenship and Immigration Services.
- Actively develop and test features on the Electronic immigration System (ELIS) site using Java, Hibernate, Spring, AngularJS, Oracle SQL, and JUnit testing framework.
- Implemented multiple AngularJS directives for displaying and resolving background check data.
- Architecture, design, and development on microservices using Spring Boot with Hibernate and PostgreSQL, deployed to AWS Elastic Container Service via Terraform or to OpenShift Container Platform.
- Created Jenkins pipelines to manage build and deployment processes.
- Production support efforts using NodeJS scripts to handle and resolve JMS errors.

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## **Education**

### **University of Pennsylvania / Bachelor of Arts**

SEPT 2011 - MAY 2015, PHILADELPHIA, PA

Majors: Psychology and Computer Science

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## **Skills**

### **PROGRAMMING**

Java, NodeJS / Javascript / Typescript, Springboot, Express, Angular, Python, HTML, CSS

### **TOOLS**

AWS (EC2, ECS [Fargate], S3, Cloudformation, Cloudwatch, Route53, EKS, Lambda), Kubernetes, Jenkins, Git, Bash, Docker, Gradle, Maven, Powershell, ActiveMQ, AWS CDK, Kafka, Prometheus, Grafana, Redis

### **DATABASES**

SQL (Postgres, MariaDB), DynamoDB

### **OTHER**

DevSecOps, test-driven development, agile methodologies including scrum and kanban, service-oriented and microservice architectures, REST APIs, serverless architecture