

Blake Joynes

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PROFESSIONAL SUMMARY

Highly skilled full-stack software engineering leader with a strong background in designing and deploying scalable digital solutions. Proven track record of leading cross-functional teams, mentoring junior engineers, and driving technical innovation.

WORK EXPERIENCE

Capital One

Lead Software Engineer

Feb 2025 – Present

- Architected and led the implementation of a distributed file-processing data pipeline in NodeJS, Python and AWS (S3, Lambda, SQLite) that migrated 700K+ customers to a new third-party payments platform, ensuring high data integrity, transactional accuracy, and zero downtime.
- Led a cross-functional engineering squad of full-stack engineers to deliver complex migration milestones ahead of schedule, fostering collaboration between internal stakeholders and the external vendor through data validation workflows, and shared observability metrics.
- Contributed to modernization effort to implement resiliency and fault tolerance for a core Java micro service by leveraging Restate for durable execution.

Senior Software Engineer

Jul 2022 – Jan 2025

- Designed and contributed to a migration framework utilizing Python and NodeJS, resulting in seamless customer data migration for more than 700,000 customers to a new bill payment vendor.
- Collaborated with the design team to develop new features in the Capital One Online Banking website's bill payment experience, ensuring feature parity across the platform.
- Serves as a mentor for incoming junior engineers, providing knowledge transfer sessions to accelerate their growth within the Bill Payment space.

Software Engineer

Nov 2020 – Jul 2022

- Spearheaded the modernization of the bill pay experience through RESTful micro services backed by AWS Lambda
- Implemented an event-based daily reconciliation process that processes over \$8 million+ in daily transactions and returns.
- Standardized error handling amongst the bill pay space to allow 90% increase in production debugging.

Booz Allen Hamilton

Staff Technologist

Feb 2019 – Nov 2020

- Developed a proof-of-concept messaging application that displayed converted XML data to viewable HTML pages.
- Built a message queuing system using Spring Boot and Kafka, enhancing the communication between two Single-Page Applications (SPAs).
- Contributed to a component library that adhered to 508-compliance standards, supporting internal government teams.

SKILLS

Languages: NodeJS, Typescript (JavaScript), Python, Java (Spring Boot), Angular, React

Technologies: Amazon Web Services (Lambda, SQS, SNS, DynamoDB, S3, EC2, ECS, RDS), Docker, Jenkins, MySQL, SQLite, Snowflake, Presto

EDUCATION

Towson University

Master of Science, Computer Science

Bachelor of Science, Computer Science

CERTIFICATIONS

- AWS Certified Solutions Architect - Associate