

Prashant Ghimire

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SUMMARY

Result-driven Senior Software Engineer and U.S. Army Veteran with 8+ years of experience building scalable microservices and event-driven systems. Proven track record in delivering high-impact solutions that optimize performance and drive business growth. Skilled in Java, Python, AWS, and Kafka. AWS Certified Solutions Architect and holder of a data security patent.

EXPERIENCE

Capital One, Senior Software Engineer | Plano, TX

July 2021 – Present

- **Directed the design and launch of SmartQueues 3.0**, a microservices-based auto-loan sorting model, cutting API response time by 20% and contributing to a projected \$10M annual revenue increase.
- **Led the development of Java and Python microservices** deployed on AWS, designed for high performance, handling high TPS, and ensuring high availability. Architected systems for scalability and reliability, optimizing response times and ensuring minimal downtime.
- **Engineered event prioritization** for Kafka consumers, reducing real-time processing delays from hours to under a second and optimizing batch performance, enhancing overall system efficiency.
- **Pioneered an Asynchronous Testing Framework** for Kafka consumers, showcased at the annual Software Engineering conference; drove company-wide adoption, significantly improving testing efficiency across teams.
- **Orchestrated Sprint planning**, hosted office hours to address impediments, and led code review sessions, enhancing code quality and cross-team collaboration; these initiatives resulted in a 100% reduction in faulty deployments, boosting delivery efficiency.
- **Mentored 5+ engineers**, fostering technical growth and improving deployment cycles, delivery times, and code quality.

Capital One, Software Engineer | Plano, TX

May 2019 – July 2021

- Conceived and implemented Anansi, a web crawler that automated resolving broken integrations across 10,000+ dealership websites, saving hours of manual effort and enhancing customer experience.
- Ideated and developed a Microservice Insights Tool with an advanced dependency resolution mechanism, enabling rapid detection of failing microservices and enhancing overall system reliability.

Leviton, Software Engineer | New Orleans, LA

May 2016 – May 2019

- Designed and built the My Leviton mobile app and its cloud services, enabling seamless real-time IoT device management and automation, significantly enhancing user experience and system efficiency.

SKILLS

Certifications: AWS Certified Solutions Architect – Associate (2020, 2024)

Programming Languages: Java, Python, JavaScript, TypeScript, Dart, SQL, GraphQL

Frameworks & Libraries: Spring, Flask, Angular, Pandas, Numpy

Databases: PostgreSQL, MySQL, Oracle, AWS Aurora, DynamoDB, MongoDB, Redis

Event-Driven Systems: Apache Kafka, AWS SQS, AWS SNS

AWS Services: EC2, ECS, Fargate, Lambda, RDS, Aurora, S3, SQS, SNS, Route 53, CloudWatch, IAM

Software & Tools: Docker, JUnit, Cypress, Splunk, New Relic, PagerDuty

KEY ACHIEVEMENTS

Awards: Harold Leviton Innovation Award, Top 8% contributor on StackOverflow.

Patent: Securing Structured Data Records for External Parties, US 20240220655 A1.

Publication: Comparison of Security Algorithms in Cloud Computing, IEEE.

EDUCATION

Georgia Institute of Technology

M.S. Computer Science | Expected 2026

Southeastern Louisiana University

B.S., Computer Science | 2016