

Clint Johnson

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PROFESSIONAL SUMMARY

Seasoned software engineer with over 5 years of experience architecting and delivering scalable, secure and observable microservice-based cloud-native solutions. Proven track record of leading dynamic cross-functional teams in developing enterprise-grade distributed systems and driving agile practices.

SKILLS

Programming Languages: Java 17, Python

Solutioning & Software Design: OOPs, SOLID, Microservices, REST, UML, BPMN

Backend: Spring Framework, Gradle, Kafka, SQL, NoSQL, Redis, Camunda

DevOps: Docker, Kubernetes, Infrastructure as Code, Terraform, Istio, Datadog, SonarQube

Cloud: AWS, GCP

AI/ML: PyTorch, Keras

Languages: English (IELTS 8.0), Hindi

RELEVANT EXPERIENCE

11/2020 – 08/2023
Bangalore

Deloitte

Software Development Engineer III (SDE-3)

Tech Lead, Acquisition Pod, [Converge Prosperity BankingSuite](#)

- Led a 4-member team in the development and successful delivery of key components such as servicing and IVR, onboarding, account setup, and KYC of BankingSuite.
- Collaborated with the product team to analyse and prioritise functional and technical requirements, planned integration architecture with vendors, estimated development efforts, delegated tasks to the developer team, and provided support throughout the development lifecycle to QA and DevOps teams.
- Designed comprehensive solution architecture documents from requirements, consisting of C4 models, logical data models, sequence diagrams, BPMN models, and API specifications following design patterns and project standards.
- Built a Java-based configurable distributed tracing library with log-trace correlation and custom log formatting & masking. Integrated it across 100+ microservices in BankingSuite, and later extended it to 18 other Converge products, supercharging the platform's observability and debugging capabilities.
- Refactored the existing authentication components to use Secure Remote Password (SRP) protocol and Multi-factor Authentication (MFA) with AWS Cognito as IAM, improving security by mitigating the risks of server-side leaks and man-in-the-middle attacks.
- Developed an ML-driven proof-of-concept to streamline the processing of Explanation of Benefits (EOB) documents. Implemented a serverless solution with MSK (Kafka), AWS Lambda, DynamoDB, and Amazon Textract (OCR) that streamlined matching scanned documents with customer checks, enhancing payment processing efficiency.

01/2019 – 10/2020
Bangalore

Dell Technologies

Software Engineer I

- Led a two-member team in designing and implementing an automation pipeline for monitoring and reconciling Dell's B2B client purchase orders. The system flags unprocessed or partially processed orders and generates weekly email reports, saving approximately 125 hours per week in manual labour for the sales team.

- Developed Spring-based microservice applications for Dell's internal mobile applications, including VApprove (for manager approvals), HelpServiceNow (for HR service delivery), and Engage (for team meetings), employing Test Driven Development to ensure high code quality and reliability.
- Produced high quality technical documentation and performed code reviews, ensuring adherence to engineering best practices and project standards.

EDUCATION

09/2023-09/2024
Manchester

The University of Manchester
Msc Advanced Computer Science, Artificial Intelligence
71.5%

- **Thesis:** A Novel Approach to Stock Trading Using Group-Agent Deep Reinforcement Learning
Proposed a novel group-agent reinforcement learning based trading strategy for the US stock market, backtested and evaluated performance against traditional machine learning and deep reinforcement learning based trading strategies.

05/2015-05/2019
Noida

Shiv Nadar University
Bachelor of Technology in Computer Science, Minor in Mathematics
8.79/10 CGPA

AWARDS & INVOLVEMENT

- Four-time recipient of the Spot Excellence Award at Deloitte for exceptional contribution.
- Conducted 70+ coding tests and system design interviews at Deloitte.
- Trainee in the Performance Improvement Program at Deloitte; created training modules and provided mentorship to colleagues.

ADDITIONAL EXPERIENCE

04/2018 – 07/2018
Hyderabad

Centre for Analytical Finance, ISB
Data Science Research Intern

- Developed algorithmic trading strategies in Python based on fundamental and technical analyses such as time series analysis, pairs trading, and Piotroski's F-Score. Backtested the strategies on stocks and futures markets, with pairs trading in particular outperforming major indices and delivering a consistent 27% higher annual average return, even in bearish markets.

VOLUNTEERING

11/2023 – 05/2024
Manchester

Anumana Code Academy
Python Tutor

- Trained 10 middle school students in Python programming, fostering problem-solving and critical thinking skills.