

# Clint Johnson

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## PROFESSIONAL SUMMARY

Experienced software engineer with over 5 years of experience leading dynamic, cross-functional teams in developing enterprise-grade distributed systems and driving agile practices in Banking and Fintech. Specialised in architecting and delivering event-driven, secure, and observable microservice-based cloud-native solutions.

## RELEVANT EXPERIENCE

11/2020 – 08/2023  
Bangalore

### **Deloitte**

#### **Software Development Engineer III (Tech Lead)**

#### **Converge Prosperity Banking Suite (Digital Bank)**

- Led a 4-member pod in the development and successful delivery of key banking components such as card payments, core banking integrations, onboarding, KYC, servicing, and IVR.
- Designed solution architecture from business requirements based on BIAN (Banking Industry Architecture Network) standards, ensuring interoperability and banking industry best practices. Produced regulatory-compliant API specifications, C4 models, data models, and sequence diagrams.
- Implemented business process-driven microservice orchestration using BPMN and Camunda for workflow automation, and DMN for decision management, enabling integration of business rules and logic across distributed systems.
- Built a Java-based configurable distributed tracing library with custom log formatting & masking. Integrated it across **100+** microservices, and later extended it to **18** other Converge products, supercharging developer productivity and the platform's observability and debugging capabilities.
- Developed and delivered an ML-driven proof-of-concept within a 2-month timeframe to streamline EOB (Explanation of Benefits) document processing. Implemented a serverless solution with AWS Lambda functions, MSK (Kafka), DynamoDB, and Amazon Textract (OCR) to expedite development and deployment. The solution matched scanned documents with client checks, enhancing payment processing efficiency.
- Refactored existing authentication components to use Secure Remote Password protocol and Multi-factor Authentication with AWS Cognito as IAM, improving security by mitigating the risks of server-side leaks and man-in-the-middle attacks.
- Collaborated with the product team to prioritise requirements, planned integration architecture with vendors, estimated development efforts and delegated tasks to the developer team, and provided support throughout the development lifecycle to QA and DevOps teams.

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 and deployed 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). Employed Test Driven Development to ensure high code quality and test coverage.
- Performed code reviews and produced quality technical documentation, 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**  
Expected Distinction

- **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 Programme at Deloitte; created training modules and provided mentorship to junior developers.

## SKILLS

**Programming Languages:** Java 17, Python, JavaScript

**Backend:** Microservices, REST, Spring Framework, Kafka, SQL, NoSQL, Redis, Camunda

**AI/ML:** PyTorch, Keras, Reinforcement Learning

**Cloud:** AWS, GCP

**DevOps:** Docker, Kubernetes, Jenkins, Terraform, Istio, Datadog, SonarQube

**Other:** Linux, Git, Agile, Jira, Confluence, UML, BPMN, DMN, C4 Model

**Languages:** English (IELTS 8.0), Hindi

## 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.