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# Dixon N

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## Summary

Inquisitive programmer, would **never settle** with an unsolved problem in code! I am better engineer with each passing day and I keep myself updated with tech in my domain. I am a constant learner and I believe in staying curious and passionate.

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## Experience

### CommerceIQ

Application Engineer I - Chennai, TamilNadu

03/2023 - 07/2023

- **Achieved 30%** enhancement in data accuracy and availability utilizing JavaScript and regex sequential validation.
- Employed **advanced web scraping techniques** in handling anti-bot measures, infinite scrolling, dynamic content, and secure data access, thereby enhancing data acquisition efficiency.
- Conducted thorough **code reviews and debugging sessions** to identify and resolve software defects, resulting **15%** reduction in data acquisition errors.
- **Led in-house training sessions**, elevating the technical proficiency of the team and nurturing a culture of continuous learning.
- **Tech stack:** Java, JavaScript, Groovy, Mocha, Kibana, HTML, CSS, regex and Selenium.

### Temenos

Software Engineer - Chennai, TN

12/2021 - 03/2023

- Designed and developed an **Instant Payments** interface that scales over **50 million** transactions per day using java, AMQ, maven.
  - Phase 1: **Partnering** with payments and business teams to proactively **identify and resolve** issues. Phase 2: Orchestrated the **development area** setup implemented **object-oriented code logic** to efficiently process transactions via asynchronous **REST APIs**.
  - **Impact: Utilized parallel processing** to handle real-time messages from AMQ and perform API calls improved **performance by 62.5%** (2.4 to 1.15seconds) and efficiently handle a large number of requests, while adhering to a **loosely coupled design** to enhance scalability and maintainability.
  - Established a direct link between core banking and payment hub, streamlining integration and **enhancing system** performance by **eliminating middleware technology**.
  - **Mentored and trained** three junior team members in onboarding and technical skills development, effectively integrating them into the team.
  - Trained in **microservices** architecture, enabling **independent** end-to-end business functions. Utilized **Kafka** for data event streaming, with **API gateway** efficiently routing requests to relevant microservices.
  - **Tech stack:** Java, Spring Boot, **threading**, collection, Maven, Mockito, Postman, Docker, Kubernetes, ActiveMQ, JMS, MySQL.
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## Education

Bachelor's Degree in Information Technology -SSNCE

08-2021

- **Visitors Recognizer in Social Gathering** - Minimize security breaches and oversee the hospitality industry leveraging expertise in PCA algorithm of AdaBoost (Haar-based).
- **Cricket Team Selection-IPL Auction** - Designed predictive models for player selection in upcoming matches, with practical knowledge of Machine Learning, K-Means Algorithm, and NumPy.
- **Revaluation App - Android Studio** - Make revaluation payments using UPI payment gateways effortlessly in Android Studio, Firebase database.

## State Board - TN

- Alphonsa Matric Hr.Sec. School (2017) :State-level **graduation: 95%**
  - St. Joseph's Matric Hr.Sec School (2015) :State-level **graduation: 95%**
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## Technical Skills

**Programming:** Java - oops, Servlets, JDBC, J2EE \*, REST API, Web Services, Python, HTML, CSS, JavaScript \*, Groovy, YAML \*.

**Libraries and Framework:** Collection framework, Multi-threading, Streams, Mockito, Spring Boot, JPA \*, Spring MVC.

**Database and Server:** MySQL, Oracle \*, PostgreSQL \*, Firebase \*, Tomcat, JBoss \*.

**Pipeline:** GitHub, Bitbucket, Jenkins.

**Hands-On Tools:** Docker, Kubernetes, Helm, Apache Kafka, Spark, ZooKeeper, ActiveMQ.

**Understanding Of:** SDLC, Networks, Agile, JSON, XML, MQ.

\*Elementary Proficiency

## Soft Skills

**Collaborated** with other product teams to build solutions to drive successful project outcomes, and **actively participated** in product architecture and design discussion.