

# ANKIT RAI

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## SUMMARY

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Distinguished Software Engineer with an experience of 8.5 years in building developing services with high scalability and availability. I have a strong foundation in data structures and algorithms with an acute interest in designing distributed systems.

## EXPERIENCE

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### Payconiq

Senior Software Engineer Jun 2020 – Present

- Designed and developed profiling services for consumers and merchants performing automated monitoring checks. This reduced the onboarding time for Payconiq consumers and merchants from 3 hours to 30 minutes improving support team efficiency.
- Developed the Transaction Monitoring System for monitoring suspicious payment transactions. This automated the manual process for inspecting transactions.
- Played the role of SRE Deputy and performed production releases and monitoring for the same and communicated regularly with the SRE team to improve the CI/CD process.
- Ran the daily Scrum meetings and Sprint Retrospectives driving the team to achieve better results.

Software Engineer

Nov 2019 – May 2020

- Lead the development of the ETL pipeline using Kafka for payment, consumer & merchant domain and integrated the same with the Business Intelligence product. This increased reliability and reduced message loss in comparison to the earlier solution.
- Developed integration solutions for third-party services viz. CloudBilling, Salesforce, and LexisNexis with Payconiq services.

### PayPal

Software Engineer 2

Jul 2017 – Sep 2019

- Developed and enhanced the Payment Authorization Capture Engine implementing complex rules for approving or declining payment transactions.
- Designed and developed the API & implementation for Pay-After-Delivery and 3 Domain Secure feature migration to the new stack.
- Developed a Latency Evaluator tool for determining the execution time taken by different components within the service. Parallelized independent components reducing the response time of the API by 35%.

### Eaton

Engineer

Jan 2016 – July 2017

- Developed the Power Xpert Gateway Dashboard application to communicate with Eaton's electrical devices.
- Lead the development of the Configuration module which allowed to remotely configure the electrical devices.

### Amdocs

Subject Matter Expert

May 2015 – Jan 2016

- Developed mission critical BSS-OSS applications for telecom provider SCL Telefonica.

### Tata Consultancy Services

Systems Engineer

Dec 2012 – Apr 2015

- Developed core module of the diamond grading application used at Gemological Institute of America.

## CERTIFICATIONS

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VMware Spring Professional 2021	Apr 2021
Oracle Certified Professional - Java SE 11 Developer	Nov 2020
AWS Certified Solutions Architect – Associate	Jun 2020
Oracle Certified Professional, Java SE 6 Programmer	Nov 2010

## SKILLS AND EXPERTISE

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**Programming Languages:** Java, JavaScript

**Programming Paradigms:** Data Structures, Algorithms, System Design, Design Patterns, OOPs, REST

**Frameworks:** Spring, Spring Boot, Angular

**Messaging:** Kafka, SNS

**Database:** Oracle, MySQL, MongoDB

**Cloud:** AWS, Azure

## PERSONAL PROJECTS

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**Knowledge sharing sites** 2020 – 2021

During my certifications preparation, I have compiled and published the information resources into easily navigable sites.

- [awsa.ankitrai.com](http://awsa.ankitrai.com)
- [java11.ankitrai.com](http://java11.ankitrai.com)
- [spring.ankitrai.com](http://spring.ankitrai.com)

**NoteShelf** 2019

NoteShelf is a smart way to create and manage rich text-based notes. This is an end-to-end application developed with Angular and Spring-Boot.

- [noteshelf.ankitrai.com/about](http://noteshelf.ankitrai.com/about)

## EDUCATION

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Bachelor of Engineering 2008 – 2012

Rajiv Gandhi Technical University, India