

Rajat Dua

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Profile Summary

A tech enthusiast who loves creating solutions for people, currently pursuing Masters in Computer Science from Aarhus University.

Skills

Languages:	TypeScript/JavaScript (ES6), Java 8, Python, Go, SQL, HTML5, CSS3
Technologies:	React.js, Redux, Vue, Vuex, Node.js, Express, Webpack, Jest, Vert.x, Apollo (GraphQL), React Native, PostgreSQL, MongoDB, Passport.js, PyTorch
Tools:	JIRA, Jenkins, Git, Splunk, OpenSearch, Grafana, Jaeger, Bash, React-Storybook, JetBrains Suite, VSCode
Design:	OOP, SOLID, GoF Patterns, Micro-Services

Professional Experience

Engineer I – Digital Data + AI/ML Team

Gurugram, India

American Express

March 2021 – August 2023

Projects that I have worked on:

- Enterprise Communication Platform –
 - Document Assembler – Implementation, Architecting PDF creation with ADA compliance
 - Assembly Orchestrator – Multiple microservices assembly processor
 - Self-Servicing Tool – Ability to create templates for different communications
 - Letter Assembler – Revamping architectural design for scalability
 - Email Assembler – Parsing and preparing dynamic Email communications
 - India Data Localisation – Enabling servicing of customer communications in India

Roles and Responsibilities:

- Gathering product requirements
- Handling team of engineers for deliverables with SAFe Agile framework and mentoring interns
- Brainstorming architectural designs
- Research and Development – Maintain & promoting in-house frontend framework, Java Backend
- Production release lifecycle – XLR pipelines, Jenkins deployments, RFC creations, documentation, pull request/code reviews

Software Engineer – R&D Team

Noida, India

Paytm

March 2019 – March 2021

Projects that I have worked on:

- PaytmFirstGames Product – Gaming platform for Paytm
- Paytm – Redemption, Product and Cart application flows (Web and Mobile)
- SDK – Research and Development – For hybrid applications (MiniApps)
- Organization’s Common Components Library – Developing a common library for all the developers to import and use
- Research and Development – Future scope of Feature Phones with payments

Roles and Responsibilities:

- Migrations of legacy code to newer technology
- Developing products from scratch with scalable architecture and data flow in mind for optimal business logic segregation and efficiency
- Working with overseas teams to deliver in-house developed SDK
- Working closely with third party merchants to integrate our developed SDK
- Mentoring freshers and pair programming code reviews

Co-Founder

Delhi, India

One Root Technology LLP

March 2018 – March 2019

Project that I have worked on:

- Hospitality sector aggregator to unclutter the processes – consisting of multiple platforms working in unison to streamline processes for a business

Roles and Responsibilities:

- Developing different components in React.js and React Native using Redux.js
- Developing UI for various platforms – Desktop, Mobile
- Creating requirement and technical design documents
- Business plan generation & Pivoting strategies
- Writing and executing unit test cases
- Fixing defects raised along the testing phase
- Involved in database design of the application
- Reporting and analysing data

Education

Masters in Computer Science

2023 – Present

Machine Learning & Data Science, Algorithmics, Cryptology, Data-Intensive Systems
Aarhus University, Denmark

Bachelor of Technology (IT)

2014 – 2018

Guru Gobind Singh Indraprastha University, India

CGPA – 8.62

Secondary

2014

Maharaja Agarsain Public School, India

Aggregate – 80.33%

Primary

2012

Maharaja Agarsain Public School, India

CGPA – 8.2

Projects

Data Visualisation – Trump US 2016 Elections Overview ([View](#))

Dec 2023

TypeScript (ES6), Next.js (React + Vercel), SQL (PlanetScale)

Deep Learning – Fine Grained Classification of Wildlife Birds ([View](#))

Nov 2023

Python, Pytorch, EfficientNet, Numpy, Triplet-Loss

Interests

Music • F1 • Games • Football