



What am I now? Lead Engineer, keen to work solving for scalable systems. Have led medium/small size teams in several projects. In the past, I have had experiences working in a variety of areas - backend, e2e web applications, map-reduce big data. Had some adventures with C++ initially in my career on printers but it wasn't much fun.

SKILLS

- Programming Languages: Java, Nodejs, C++
- Databases: Cassandra, Dynamodb, Mongodb, Postgres, Redis, Redshift, Sql
- Technologies/Services: ElasticSearch, Ajax, Websockets, Splunk, Grafana, Docker
- Aws: Lambda, Api Gateway, Data Pipeline, EMR, S3, SecretManager, SNS
- Frameworks: Dropwizard, Express(Nodejs), Hadoop, JavaEE, JPA, Jaxrs, Spring Boot, Spring, Struts

EXPERIENCE

Zeta, Bangalore - Lead Software Engineer

2nd May 2021 - 5th July 2024

- **MPAL**(Merchant Payment Acceptance Layer) - Built this payment acceptance middleware between Sodexo merchants & issuers. Integrations with Brazil, Chile & Colombia merchants like McDonalds, Uber etc. Team size - 6 devs
- **Payzapp HDFC Pre-Launch** - Lead team to participate in load testing initiatives, an org wide initiative for HDFC delivery.
- **UPI on Rupay Credit Cards** - Lead team to design & implement Credit Card payments over UPI. (Team Size - 3)
- **Athens** (Team size: 6)- Re-architecture of clearing service to achieve scale.
- **2 Way Notification** (Team Size 4) - Responsible for project delivery e2e. Conducted a POC which saved hefty consultation charges for the company.
- **US Zone management** - Managed US zone payment platform system being used by 2 business clients. Worked on stabilizing the system, observability & incident management.

Paypal, Stockholm - Senior Software Engineer(*Flat hierarchy*)

8 July 2019 - 30th April 2021

- Part of **User Identity** team, **izettle**, a **Paypal service**. Worked with authorization service, authentication service, sun - a monolith central service and a minimal front end login service (**Java**, bits of **Nodejs**)
- **Migrating users to Paypal**: Developed system for migration of izettle users to Paypal
- **Support for payments JAVA sdk**: Built feature to remember the user consent and support extended scopes access for external third party apps.
- **Google Recaptcha Integration & Rate limiting**: Implemented middlewares to tackle enumeration attacks and bot behavior (Nodejs + redis)

Bankbazaar, Bangalore – *Senior Software Developer*

18 April 2016 – 31 Dec 2018

- **Designed & Implemented a Caching Solution** to reduce application summary hadoop job's execution time from 20 to 10 mins/day. This saved the company's cost in terms of developer time & resources spent (**DynamoDb**)
- **Developed Credit Tracker (most critical Bankbazaar Product)** – a scalable solution using already existing infrastructure of java, struts, spring, hibernate, js, jsp's. Introduced **web-sockets** for horizontal scalability of the solution . The system scaled 1M users in Dec 2018.

IndiaBookStore/Vivilio, Gurgaon – *Software Engineer*

18 Feb 2014 – 12 April 2016

- Member of the **founding team** of Vivilio. Built systems from scratch using Nodejs, Mongodb, Redis.
- **Web Crawler:** Developed a highly scalable and fast Web Crawler using a JobServer-Worker architecture to gather, process and efficiently store data from 10 million web pages using Nodejs, Mongodb, Redis.
- Developed User **Live Feed System** to serve feeds from registered users using Getstream.io.
- Solved **Book Categorization** problem using ElasticSearch.

Hewlett Packard R&D, Bangalore – *Firmware Engineer*

2nd Sept 2011 – 14 Feb 2014

- Implemented **Airprint** 1.0-1.3 which is (Internet Printing Protocol for Apple devices) module which provides e2e capabilities – accept client's request, parses / verify / compile / pass to printer and respond to the client. (C++, OOPS, SOAP Web Services).

EDUCATION

Dhirubhai Ambani Institute of Information & Communication Technology (DAIICT), Gujarat – *B.Tech. in Information & Communication Technology (CPI 7.08/10)(1st July 2007-20th May 2011)*

AWARDS

- **Certificate of Appreciation** (April 2023) for UPI on Rupay CC delivery.
- **Certificate of Excellence** (Dec 2016) Designed & implemented a scalable Credit Tracker System.
- **Certificate of Appreciation** (Sep 2013) for contribution in Wireless Direct Print Functionality.
- **Certificate of Appreciation** (Jul 2013) for contribution in Mercury programme – A platform for Large Functional printers"