

Tarun Batra

Software developer

SUMMARY

Creative Software Developer with 10 years of experience in designing and scaling distributed applications. Also a mentor and Open-Source software maintainer.

WORK EXPERIENCE

OKTA Vancouver

Staff Software Engineer

Mar 2025 - Present

I am part of the IO Builder Platform team which manages the building aspect of the Okta Workflows product.

Tech stack: Node.js, TypeScript, Postgres, K8s

Senior Software Engineer

Sep 2022 - Feb 2025

I was part of the Team Inbox at Okta which managed lifecycle of Identity Governance requests across Web, Slack, Emails and other channels.

Tech stack: Node.js, MongoDB, GCP, Terraform, K8s

Highlights:

- **Worker Tasks:** Designed a worker tasks framework using GCP PubSub and Cloud Tasks to process asynchronous tasks reliably.
- Owned major chunks of Requests domain. Delivered features and updated the access control model.
- Ramped up our alerts and monitoring setup which increased reliability. Set up auto-scaling using K8s HPA.
- Worked closely with Product and Design and led the efforts to redesign the Access Requests product.

INSTABOX Stockholm

Backend Developer

Jul 2020 - Jan 2022

I was part of the Merchants and Communications team. My day-to-day work involved leading new projects, addressing tech debts and responding to incidents.

Tech stack: Node.js, Postgres, Redis, MongoDB, Terraform

Highlights:

- **Integration service:** Responsible for integrating merchants' APIs with our order system. Re-imagined and developed the service which processes a 100,000 orders everyday without any major hiccups.

SKILLS



Node.js



MongoDB



Redis



TypeScript



Postgres



Golang



Docker



Amazon AWS

BLOG POSTS

[Behind the scenes at Access Requests: Worker tasks](#)

[Git before GitHub](#)

[Deploy your website on IPFS: Why and How](#)

[Polling reliably at scale using DLQs](#)

CONTACT



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github.com/tarunbatra



tarunbatra.com

SIDE PROJECTS

[password-validator](#)[zindagi](#)[know-your-kisaan](#)[rate-ipfs-content](#)

INTERESTS



Open source



Technical writing



Camping



Brewing coffee

- **Communication service:** Designed the service to send SMS, push and emails with support for multiple countries and languages. Successfully deployed to production and handling 500,000 messages everyday.
- Mentored new developers in the team.
- Worked closely with the business team to collect requirements.

SMALLCASE

Bengaluru

Senior Software developer

Oct 2017 - Jul 2020

I led the integrations team responsible to integrate with external vendors. Also managed the transactions platform.

Tech stack: Node.js, MongoDB, Redis, RabbitMQ, Kafka, ElasticSearch

Highlights:

- **Integration team:** Led the team of 3 and designed the system to easily integrate and implemented it for 7 partner brokers.
- **Transaction system:** Scaled to process > **3.5 million** orders.
- **Scheduler:** Developed an event-driven service to run and manage background jobs.
- Involved in engineering organization wide decisions like hiring and technical debt management.
- Worked closely with the business team and vendors to collect requirements.

CODEBRAHMA

Bengaluru

Software Developer

Dec 2015 - Oct 2017

Worked as a consultant for various global startups remotely.

Tech stack: Node.js (Express, Hapi, Meteor), MongoDB, Redis, RabbitMQ, DynamoDB, AWS Elasticbeanstalk, AWS Lambda

Highlights:

- Handled server side development for a popular gaming startup.
- Developed back-end for a mortgage settlement platform.
- Involved in creating in-house re-usable components.
- Hired and mentored developers for the organization.

EDUCATION



SRM UNIVERSITY

Chennai

Bachelor of Technology (CS)

2012 - 2016

Took courses on Data Structures, Algorithms, Compilers, Mathematics, Networks, Cryptography and others.

Highlights:

- **SRMSat-2:** I was part of the on-board computer team for the incomplete nano-satellite mission to moon.
- **Aaruush:** Organized events at the college-tech fest.
- **Research Day:** Presented my research on "Addressing Security and Privacy Concerns on the Internet using HTTPS and TOR".