Tarun Batra

Software developer

CONTACT 💬

✉ me@tarunbatra.com

📞 (604)-786-6080

🐙 github.com/tarunbatra

♦ tbking.eth

🌐 tarunbatra.com

SKILLS ⚙️

- Node.js
- Golang
- MongoDB
- Postgres
- Docker
- Redis
- TypeScript
- Amazon AWS

SIDE PROJECTS 🎨

- password-validator
- zindagi
- know-your-kisaan
- rate-ipfs-content

SUMMARY

Creative Software Developer with 8 years of experience in designing and scaling distributed applications. Also a mentor and Open-Source software maintainer.

WORK EXPERIENCE 💼

SENIOR SOFTWARE ENGINEER
Okta, Vancouver | Sept 2022 - Present

I am part of Inbox team at Okta which deals with user interactions over Slack bot, Teams, Emails, Web UI and the API.

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 and delivered features like Cancel Requests, Team permissions.
- Ramped up our alerts and monitoring setup which increased reliability and explored K8s HPA for scaling.
- Worked closely with Product to shape the customer UX around the product.

SENIOR BACKEND DEVELOPER
Instabox AB, Stockholm | July 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.
- **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.

BLOG POSTS ✒️

[Git before GitHub](#)

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

[Polling reliably at scale using DLQs](#)

INTERESTS ⚽

🔓 Open source

📝 Technical writing

🥾 Hiking

☕ Brewing coffee

- Mentored new developers in the team.
- Worked closely with the business team to collect requirements.

SENIOR SOFTWARE DEVELOPER
smallcase, Bengaluru | 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.

SOFTWARE DEVELOPER
Codebrahma, Bengaluru | 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 🎓

BACHELORS OF TECHNOLOGY (COMPUTER SCIENCE)
SRM University, Chennai | Aug 2012 - May 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*".