

# Adnaan Bheda

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## SKILLS & INTERESTS

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- **Languages** : Python, JavaScript, Kotlin, Java, Bash, Rust, GoLang
- **Frameworks** : Express.js, Flask, FastAPI, Quart, Uvicorn, Gunicorn, React.js, Redux
- **Databases** : MongoDB, CouchDB, PostgreSQL, Redis, MySQL
- **Tools** : Git, Linux, Docker, Mocha, Jest
- **Infra** : Kubernetes, AWS, Azure AKS, Github Actions, GitLab CI/CD, Travis CI

## WORK EXPERIENCE

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### Atlassian

*Backend Developer*

**Dec. 2022 - May 2025**

*Bangalore, IN*

- Development
  - Worked on Anti-Abuse/Spam, suspicious user detection by signal generation, used **OPA** policies to achieve the same in **GoLang** using rego.
  - Researched on Gibberish Detection Algorithms to detect spammy sites created
  - Helped develop a new service in **Kotlin, Spring Boot**, owner of milestones for tech debt clearance and future plans of business logic additions.
  - Improved alerting systems by reducing noisy alerts, inflated alerts with relevant information
  - Installed failure detection systems in pipelines using **Splunk APIs** to extract log data to understand workflow failures across the infrastructure
    - Further addition of notifying the respective team of the failure to ultimately reduce customer impact
- Responsibilities
  - Technical feature lead for marketplace apps to launch the BETA version of data residency. Created engineering, testing plans in the process. (**Kotlin**)
  - Mentored interns and guided them to work on projects to bring impact during their short period

### Klinify

*Senior Backend Engineer, Backend Developer*

**Dec. 2020 - Dec. 2022**

*Singapore*

- Responsibilities
  - Managing the infrastructure including **K8s** clusters to ensure uptime and managing services.
  - Developer IC for 4 projects, responsible for building features and communicating ETAs with project ICs.
  - Organizing integrations with third party services.
  - Scaling the infrastructure with the customer growth.
  - Operationalizing projects by implementing internal tools.
- Development
  - Refactored APIs to make them async, reduction of resources/cost by **50%**.
  - Leveraged open source to implement a terminology service (FHIR) in **Java, Spring Boot**
    - reduction in project timeline by **80%**
    - **90%** cost reduction by moving away from a service vendor.
  - Developed an unsubscription mechanism for campaign service written in **TypeScript**.
  - Setup caching mechanisms using **Redis**, reducing the load time by **90%** for heavier endpoints.
  - Major codebase refactor (**200K LOC**) to make APIs compliant with **OpenAPI** spec using **connexion**. Additionally, unit testing with **pytest**.

## Roado

Full Stack Developer, DevOps Engineer

Jan 2020 – Dec 2020

Bangalore, IN

- Feature Development

- Created a Dynamic Excel Generation Mechanism for bulk upload operations.
  - Programmatic VBA injection, Excel-JSON (de)serialization.
  - On boarded high value customers with the feature.
- Implemented an Analytics Dashboard that calculated business metrics for users in real time.
- Reduced Map library costs by 80% by migrating the platform from **Google Maps** to **Leaflet.js**. Approximate savings of **90% / ₹ 40,000 per month**.

- DevOps

- Migrated the infrastructure to containerized microservices using **Kubernetes** with **kOps**.
- Containerizing reverse geocoding services (**OSRM**, **Nominatim**).

## Freelancing

- Implemented a Data Scraping Pipeline capable of processing over 2 million records for research purposes. Developed using **Selenium**, **TinyDB**, **Electron**.

## EDUCATION

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### A.D. Patel Institute of Technology

Computer Engineering

Sept 2016 – Oct 2020

Anand, GJ

- CGPA : 8.43
- Co-developed the official social platform for our college, using **React Native** and **GoLang**.
- Hypothesized a Logical Error Detection System based on GPU K-Nearest Neighbors.

## ACHIEVEMENTS

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- Winner of Smart Gujarat Hackathon 2018, a government funded hackathon that involves solving issues faced by the state government's departments. Developed an Attendance System using **Facial Recognition** that required minimal cost.
- Ranked under **Top 40 teams all India** in TCS Enginx, a team based engineering contest that rewards innovative impactful solutions to real life problems.