ARBAZ SIDDIQUI

BACKEND DEVELOPER

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SKILLS

- **Programming Languages**: Javascript, Golang, Python
- **Backend Frameworks**: Node.js, Gin, Django, Flask
- **Database:** MongoDB, Redis, Firebase, Neo4j, ElasticSearch, Postgres
- **Tools**: Kafka, MQTT, Media servers, Serverless, Web3, Blockchain
- **Cloud:** Docker, Kubernetes, AWS, GCP, ELK stack, Prometheus, Grafana

SELECTED HIGHLIGHTS

- Built media servers that processed **50K daily streams**, averaging 33 minutes each, with **sub 5s latency**, resulting in 100GB ingestion.
- Implemented audio chat which saw a **traffic of 2M users monthly** with a total of **70M minutes in audio call time**.
- Led a team of 7 developers across multiple services.
- Maintained systems which were able to handle **traffic for a user base of 25M**.
- Integrated monitoring, logging, APM and telemetry to legacy services for better visibility.
- Converted few services to serverless to support on-demand computing which helped us to **reduce the cost by 70%**.
- Interviewed more than 50 candidates for backend and DevOps roles.
- Active blog with over **10k monthly users**. Many of the articles are featured in Node weekly.

EXPERIENCE

Senior Software Development Engineer

Turnip   *Jul 2020 - Present*

- Implemented media servers for mobile game streaming startup on Kubernetes for processing live streams via RTMP and FFmpeg.
- Designed and implemented a social media platform with news feed and friends network using a distributed architecture built on Neo4j, ElasticSearch, MongoDB, Kafka and Golang.
- Developed a clubhouse clone with real-time systems including audio chat, messages, and interactions using MQTT, Firebase, and Agora on Node.js.
- Collaborated with web3 startups to develop a functional crypto exchange, a blockchain-based community website, and a card trading platform.

Lead Backend Engineer

Paytm Insider   *Jun 2017 - Jul 2020*

- Led team in developing and implementing robust backend for movie integration with online ticketing, capable of handling 500+ rps flawlessly.
- Designed and implemented logistics architecture which includes opting delivery, order tracking and internal tools for managing shipments.
- Developed the complete e-commerce flow including cart, transaction, inventory management, and taxation.
- Utilized AWS stack to implement microservice architecture (RESTful APIs, queues, lambdas, Kinesis) and deployed on Kubernetes.

Full stack Developer Intern

Provakil   *Jul 2015 - Aug 2016*

- Worked on building a real-time chat application using Node, Angular, Firebase, MongoDB, ElasticSearch.
- Wrote various efficient and scalable RESTful APIs in Sails.js using NoSql database (MongoDB and Redis).
- Coded pdf scrapers and web crawlers which retrieved data and stored it in a structured format using Python.

PROJECTS

LRU cache for node
Cache manager with least-recently-used policy using doubly-linked list and hashmap for O(1) gets and sets. Featured in Node Weekly for its lightning-fast speed.

AnaBranch
An HTTP load balancer and reverse proxy written in Go. Supports multiple algorithms and health checks.

rSlashVideos
Web app that converts any subreddit into a video playlist, including filters such as hot, top of all time, and top of year.

Node Skeleton
A boilerplate for building node.js apps using the MVC model and best practices. Contains configuration for both local and social authentication, test suite and logging.