Nikhilesh Yadav

nikhileshy695@gmail.com | +919625373185| linkedIn/yniks | github/yniks | ynik.github.io | Noida, India

WORK EXPERIENCE

FOUTNANE INC | Software Engineer   Hyderabad, India | Dec 2022 - td

- *Parkpoolr* - Airbnb of parking - *Reactjs, Typescript, ReactNative, Golang, Nodejs, GCP, Firebase, Docker*
  - Spearheaded feature development and performance diagnostics, optimizing and enhancing **booking** and **search** algorithms to deliver premium user experiences.
  - Achieved notable performance improvements, notably reducing **P99** latency from 30s to 2s, resulting in a significant enhancement in system responsiveness.
  - Implemented costing optimization strategies in **Google Cloud Platform (GCP)**, resulting in a remarkable 30% reduction in operational expenses.
  - Orchestrated the migration of all services from virtual machines to **Docker Swarm**, implementing a comprehensive **CI/CD pipeline** and ensuring seamless deployment processes.
  - Established a full **observability** setup to monitor and analyze system performance, enabling proactive identification and resolution of potential issues.

- *Impowered* | Urbanclap-like EMS and Hiring Platform - *Angular, Typescript, GraphQL - Hasura, Firebase*
  - Spearheaded front-end development efforts for **Impowered**, overseeing a team responsible for building three distinct front-ends, including React Native app development (enhancement).
  - Collaborated closely with the back-end team utilizing **Node.js, GraphQL**, and **Hasura** to ensure seamless integration between front-end and back-end systems.
  - Demonstrated expertise in managing complex front-end architectures and ensuring optimal user experiences across multiple platforms.

- *Sundai* - (MVP) Siri akin tool to integrate **Slack** channels, **Google Calendar**, HRMS, and **Asana** - *OpenAI, Langchain, Python*
  - Leveraged **OpenAI API, Langchain**, and **Python** to develop a natural language shell for **Sundai**, akin to Siri.
  - Engineered a sophisticated system capable of transparently querying **Google Calendar, Asana Tasks, Slack channels**, and executing actions based on user commands.
  - Demonstrated proficiency in natural language processing and integration with various **APIs**, enhancing user productivity and workflow efficiency.

- *Observability Stack* - Full stack **observability** using - *Grafana, Loki, OpenTelemetry, Prometheus, Tempo, Keycloak*
  - Implemented a comprehensive **observability** stack utilizing **Grafana, Loki, OpenTelemetry, Prometheus, Tempo**, and **Keycloak** for internal use.
  - Orchestrated end-to-end setup and integration with **Parkpoolr apps** and services, ensuring seamless monitoring and analysis of system performance.
  - Configured single sign-on (**SSO**) and access control with **Keycloak**, enhancing security and user management capabilities across the platform.

MADPAT GMBH | Software Engineer   Leonberg, Baden-Württemberg, Germany | May - Nov 2022

- Worked on core web technologies like **Nodejs, Mongodb, Typescript, Javascript, Reactjs, MaterialUI, EJS, Angularjs, Postman, Jest, Mocha, Docker, Bash, Expressjs** etc.
- Extensively written unit test for every change using **Jest** and **Mocha**. Did Test Driven Development on **webstorm**. *Jest, Mocha, webstorm IDE*.
- Written migration script to transform documents in **mongodb** production. *mongodb*.
- Took responsibility for migrating **datagrids, forms** and dashboard components from **angularjs** to reactjs for a large scale Sales and promotion management software. *Reactjs, MaterialUI*.
- Was responsibly involved in finding **security issues** in applications. **Hunted bug** which allowed full compromise of admin accounts (leaked secret keys), among others. *Postman*.
- Managed **deployement pipeline** on **gitlab**. Added Husky in build pipeline. *Husky*.

- Extensively used debugging tools like **HTTP-toolkit, Chrome-devtools, Webstorm-IDE, Postman etc.**
- Worked on improving **development setup** for hybrid angular-react frontend. **Enabled hotloading**, setup husky hooks. *Webpack*, *Husky*, *git*.
- Was responsible for design/arch decisions for the frontend keeping future migration above this foundational code. Introduced **rest-hooks**, **joi**, **runtime-type-validation** in typescript, and helped in restructuring the project.
- Took shared responsibility of upgrading backend tech stack from nodejs v6 to v14, and meanio to expressjs.
- Helped **onboarding new joinees**, improved onboarding routines to make it easy. Written **bash** script to **automate** local setup. *Bash*, *Docker*, *.devcontainer*

1DIGITALSTACK.AI | FULL STACK ENGINEER   South Delhi, Delhi | June - Apr 2022

- Worked on a data aggregation and visualization dashboard in a team of 2 developers. Used *pug*, *express*, *nodejs* and *postgres* as technology stack. Co-implimented multi-tier caching using *Redis* and *Dexie* in frontend.
- Co-implemented an authentication server using **Keycloak.** Implemented complete authorisation mechanism in this application, providing per-client multi user system with user specific permission using **OAuth2.0 + JWT + Passport**.
- Designed and implemented *Open-API+rabbitMQ* service which collects and process data from 3rd parties, intensively using **IPC**.
- Designed and implemented **Credential Vault** to store sensitive client data used by various applications in organisation. Used double symmetric encryption to ensure all-party liability for maximum robustness.
- Created and managed **microservice** as an upgrade to existing notification configuration management service across all products.
- Created and managed web experiments which resulted in **more than 160 percent** increase in web to app installs.

GEMINI SOLUTIONS PVT LTD. | SOFTWARE DEVELOPMENT INTERN   Gurugram, India | Jan - Jun 2021

- Written Scripts for automatic testing of autosys job definitions being deployed into the production server.**Perl.Bash.**
- Created Automated testing suite for frontend applications using cypress in gitlab pipline. **Typescript. Mocha. Cypress.**

SKILLS

- **Languages:**Typescript, JavaScript, Python, Bash, C/C++, SQL, Text parsing using pegjs, Solidity.
- **Web Development:**Chakra UI,Nestjs , React, HTML5/CSS3, SASS/LESS, Material UI, WRTC p2p, Socketio, Bootstrap, JQuery, Pug, Express, OAuth, JWT, OpenAPI3.0, tailwind
- **Frameworks and Libs:**Postgress, Firebase, webpack, babel
- **Tools and Tech:**Linux,Nodejs, AWS(ec2, lambda, s3),Git, Electron, Docker, Computer Networks, HTTP , Cryptography [signatures, asymmetric/symmetric], WSL, SSH

- Ebullience tech fest website
- Whatsapp eWay-bill bot
- VPN Jump Server
- e2e terminal chat
- talk-to-gdb
- C++ REPL