

# SOUVIK KAR MAHAPATRA

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## EXPERIENCE

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### OpenInApp

Jr. Backend Developer

Bangalore

July 2023 – Present

- Worked on a **calendar booking system** for influencers, handling **concurrent and conflict-free** booking experience.
- Implemented an **algorithm for identifying free time** based on user calendars, enhancing scheduling efficiency.
- Engineered **Shopify** in-app browser **redirection and attribution**, utilizing **web-hooks and webpixels** ensuring accurate attribution.
- Worked on product discovery platform from images, reducing request drop-offs by incorporating **RabbitMQ** and a **pub-sub model**.
- Promoted the adoption of **Docker** and **db migrations**, resulting in a **30-40%** improvement in development and deployment processes.

### Digital Product School, Germany

Software Engineer

Remote

Sept 2022 – March 2023

- Developed **data management software** for [pfa-mold.de](https://pfa-mold.de) streamlining the collection of diagnostic information on mold manufacturing data from machines.
- Designed and implemented a system to **capture high-speed time series data from sensors** using **MQTT protocol**, and stored it in **PostgreSQL** database.
- Conducted **technical feasibility studies**, utilizing **design thinking** methods to evaluate the viability of potential solutions.
- **Visualized** the real-time sensor data in the frontend providing intuitive and actionable insights leading to an **80%** reduction in manual input time.
- **Collaborated** with **cross-functional** and **distributed** teams.
- Utilized **Agile** methodology to develop high-quality product **30%** faster that met customer needs and delivered value.

### Tyup

Back-end Engineer

Remote

June 2021 – February 2022

- Developed **news feed** with various filters.
- Feedback system with Notion as integration to fit with the team's workflow.
- Implemented **email OTP system** using **Redis**.
- Automated moving data from **MongoDB** to **PostgreSQL**
- Used **Nginx** as a reverse proxy and blocked malicious request
- Integrated **AWS S3** with in-server authentication to prevent unauthorized access to resources.
- Served **1000+** active users and survived injection attacks.

### MnyRate

Fullstack Developer

Remote

April 2021 – May 2021

- Created **front-end** for admin dashboard
- Designed **scope** based API endpoints

## PROJECTS

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### [notion-to-md](#) [ Typescript ]

December 2021

- NodeJS module that converts Notion app pages, block and list of blocks to markdown (supports nesting) built on top of notion-SDK-js
- **2000+** weekly downloads on NPM.
- **500+** stars on GitHub with active development

### [lsx \(ls-Xtended\)](#) [ Go, Shell ]

October 2021

- A command-line utility that lets you navigate through the terminal smoothly. Create an alias for the desired directory. Ranks most visited directories for better accessibility.
- **170+** stars on GitHub with an active contribution.

**gofuzz** [ Go ]

March 2021

- Fast web fuzzer that tests the URL for different set of inputs.
- Test for numbers within a certain range, ASCII characters and inputs from files. Uses Golang's concurrency for fast fuzzing. Categories inputs as per the status code. Export results to various file formats for further automation.
- **30+** stars on GitHub

**web-SS** [ NodeJS, Express,EJS ]

December 2020

- Takes screenshots of the website(s) in bulk, automating the screenshot process.
- Implemented front-end and back-end of the application

## TECHNICAL SKILLS

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**Languages:** JavaScript, C++ , Go, Python, Shell, Typescript, C  
**DB:** PostgreSQL, SQL, MongoDB, Redis  
**Frameworks:** NextJS, React, Svelte, Echo, Gin  
**Cloud / DevOps:** AWS(S3, EC2), Docker, Nginx, GitHub Actions

## ACHIEVEMENTS

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**Hult Prize 2022** On-Campus winner

## EDUCATION

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**Kalinga Institute of Industrial Technology**  
3rd year, B.Tech in Information Technology

Bhubaneswar, Odissa  
September 2020 – Expected July. 2024