

# Baisali Pradhan

## Software Developer Engineer

Bhubaneswar, Odisha, IN • +91-7008829489 • baishalypradhan03@gmail.com • <https://baisalipradhan.netlify.app/>

Software developer with 3 years of experience in building both the front-end and back-end of web apps as well as mobile applications and deploying the same in Cloud solutions in challenging startup environments. In quest of an organisation that challenges me to deliver the best of myself with a steep learning curve.

### WORK EXPERIENCE

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Akrabhi Softlabs, Bhubaneswar, OD

January 2020 – Present

#### Founding Software Development Engineer

#### Front End Engineering

*Wrote the code from scratch to build UIs using Modern Web Dev Technology like React, React Native Redux, NextJS*

- Configured the codebase from ground up using **Styled Component**, used concepts of **KISS, DRY, Git Husky**
- Built user interface for **Channel Interaction, Doubt Forum, Login System, and Chat Rooms, Live Classroom**, for the desktop app using React Redux, Material Design, Bootstrap & integrating with backend systems.
- Coded the instructor Dashboard for **real-time Data Visualisation** using ChartJS & D3.js, WebSocket for enhanced data visualisation
- Did performance evaluation using Lighthouse and kept the TTB, FCF under 2 seconds along with *code splitting*
- Improved loading performance time by **49%** by optimising the web app with **CDN** and **optimization techniques**
- Responsible for **building the android Mobile app** for Students *Single headedly* using **React Native** from concept to deploy

#### Backend Engineering

*Architected the end-to-end backend service from concept to Deploy using NodeJS, Postgres, Express*

- Built crucial microservice-based systems like **SaaS Platform Architecture, Live Classroom**, OAuth2-based Login System, **One to One & Group Chat Service**, Document Similarity Scoring, Learning Gamification, **Doubt Forum**
- Built Data pipeline for Search Functionality using Elastic Search for **real-time data sync & full-text search**
- Overlooked the code quality, **OWSAP Security aspects**, DRY, and KISS Principles in the app's codebase of the whole team
- Developed the **real-time communication** feature for the app using **WebRTC & WebSocket** mimicking zoom
- Increased User Engagement by **39%** by building App's **Push Notification** using **AWS SNS, Firebase FNS**
- Built app's **File Storage system** like Google Drive using AWS S3, React, CDN
- Added **Payment Gateway** for seamless checkout with security features in place.

#### Cloud Native Technologies

*Founding Cloud Engineer Entrusted to launch the product completely on AWS Cloud Solution from scratch.*

- Configured GitHub Actions for implementing **CI-CD** which increased delivery cycles by **27% per week**.
- Enhanced Security by adding **SSL Certificates & NAT Gateway** in conjunction with **AWS ELB**.
- Deployed **Microservice Docker** containers in **AWS ECS Fargate Cluster** resulting in **99.999%** uptime
- Configured & converged all API Endpoints to **AWS API Gateway** along with **Service Discovery**.

## Core Computing Skills

- Avid Problem Solving Skills Using **Data Structure & Algorithms**.
- Used My **Computer Networking** skills to **deploy the application in AWS**.
- Used Database Management System skills to architecture the Product's Database Architecture.

## EDUCATION

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### ITER, SOA University, Bhubaneswar, Odisha

MCA

GPA: 9.1 CGPA in MCA Course Work

### Academy of Technocrats, Berhampur University, Berhampur, Odisha

BCA 82% with ranked 11th in whole university

## TECHNICAL SKILLS

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**Proficient in:** Node.js, JavaScript, TypeScript, RDBMS, NoSQL, ReactJS, React Native, Angular2, PostgreSQL

**Knowledgeable:** AWS, Elastic Search, Terraform, Microservice, MongoDB, WebSocket, WebRTC, CI/CD, D3.js

**Tools Worked with :** Jira, Confluence, Sentry, Github, StackHawk, DeepSource

## ACHIEVEMENTS

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Bagged **Best Intern of the Year** award- 2020 at akrabhi soft labs

Bagged **Best Team Lead of the Month** Feb 2022

**Best Employee of the Year** 2021

I was the **topper in the university** in MCA Programme

Received *HoD's Appreciation* for best project Execution

**Ranked 11th** in Berhampur University in my BCA Graduation Programme

## CERTIFICATIONS

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Front-End Web Development with React by Coursera

HTML and CSS: Building a Single-Page Website by Coursera

CSS Animated Components with ReactJS Coursera

React Native - The Practical Guide [2020 Edition] Coursera

Technical Support Fundamentals Coursera

*\*Credentials can be verified at my website <https://baisalipradhan.netlify.app/>*