

# Shuvendu Dhal

Portfolio: [shuvenduoffline.github.io](https://shuvenduoffline.github.io)  
Github: [github.com/shuvenduoffline](https://github.com/shuvenduoffline)

Email: [shuvenduoffline@gmail.com](mailto:shuvenduoffline@gmail.com)  
Mobile: +91-8158090295

## EDUCATION

- **University of Calcutta** Kolkata, India  
*Bachelor of Technology - Information Technology; GPA: 8.97* *August 2016 - August 2020*
- **Jhargram Kumud Kumari Institution** Jhargram, India  
*Higher Secondary - Science; Percentage: 83%* *February 2014 - March 2016*

## EXPERIENCE

- **Passionate Solver Technologies** Kolkata, India  
*Software Engineer (Full-time)* *Sept 2021 - Present*
  - **Aggregator for IOT-Water** : Build micro-service to aggregate IOT water data.
  - **REST API for IOT-Dashboard**: IOT data processed and converted to API interface.
  - **Server Provision and Migration**: AWS EC-2 provisioning, deployment of services, and migration.
  - **Impact**: Reduction of water and energy wastage by 30% on average.
  - **Link**: [waterdist.iot.demo.passionatesolver.com](https://waterdist.iot.demo.passionatesolver.com)
- **Austec Service Pty Ltd** Rocklea QLD, Australia  
*Software Engineer Freelance (Part-time, Remote)* *May 2020 - Nov 2020*
  - **Guard Shift Assignment**: Build a web app to assign shifts to security guards.
  - **Shift Monitoring**: Developed mobile application to track guards shift based on location and time.
  - **Team Lead**: Lead the team of 3 interns, successfully deliver in time.
  - **Impact**: Simplified the workings of 1000+ security guards and reduced the day-to-day scheduling efforts by 3x.
  - **Link**: [employee.austecsolutions.com.au](https://employee.austecsolutions.com.au)
- **Xoriant Solutions Pvt Ltd** Pune, India  
*Associate Software Engineer (Full-time)* *Nov 2020 - Sept 2021*
  - **Disk Clean Service**: Created micro-service to clean up old files based on schedule and file status.
  - **Service Discovery**: Enabled service discovery with Netflix Eureka to add/remove micro-services dynamically.
  - **Impact**: Improved server performance and up time of services significantly.

## SKILLS SUMMARY

- **Languages**: JavaScript, C++, Java
- **Frameworks**: NodeJS, React, Spring Boot
- **Tools**: Nginx, Kafka, MongoDB, MySQL
- **Platforms**: Linux, Web, AWS
- **Soft Skills**: Leadership, Blogging

## PROJECTS

- **Open Source Contribution - p2p-deploy**: Build and published npm package for running ci/cd command in a secure way from the client machine to the server. The output of the commands is shown on the client-side in real-time. Build with nodes inbuilt features without any other dependency.  
**Link** : [npmjs.com/package/p2p-deploy](https://npmjs.com/package/p2p-deploy)
- **Reservation and food booking with WhatsApp Chat Bot**: Build on twilio, integrated with reservation platform using cloud functions. The cafe could book and manage booking through an interactive dashboard. Boosted revenue by 30%.  
**Tech** : Twilio, NodeJS, Cloud Function, Firebase, React  
**Link** : [Cafe Dashboard](#)
- **Web3 Blood Bank**: The new generation's blood bank, powered by the Ethereum blockchain build with solidity. Blood bottles can be tracked from their origin to the end-user with block chains power and its security keeping all data safe and immutable.  
**Tech** : Solidity, React  
**Link** : [shuvenduoffline.github.io/bloodbank/](https://shuvenduoffline.github.io/bloodbank/)

## PUBLICATIONS

- **Paper on Web3 Decentralize Application**: (Work in Progress) Blockchain based framework for document sharing, preserving and verification using ethereum blockchain.

## HONORS AND AWARDS

- Runner's Up at Airbus Aerothon, Lead a team of 4 to build the solution in 7days - July, 2022
- Copyright in Web3 dApp solution - January, 2021