

Harsh Bhandari

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PROFESSIONAL OBJECTIVE

Developer with over a year of experience in full-stack development, specializing in optimizing cloud-based systems and creating efficient, scalable architectures. Seeking opportunities to contribute to innovative software solutions and drive digital transformation.

TECHNICAL SKILLS

Languages : Java, Kotlin, Javascript, SQL (Postgres)

Frameworks : Micronaut, Nodejs, Django, React

DevOps and API Tools : Git, Docker, Kubernetes, Terraform

Cloud and Security Tools : AWS, Linux (configuring and managing)

Others : Domain Modeling, Agile, Debugging, TDD

EXPERIENCE

Solution Consultant | Sahaj AI Software Solutions Pvt. Ltd.

June 2023 – Present

- Designed and developed an end to end product for supply teams in the service-based IT industry, enhancing resource management and allocation across multiple geographies. The portal provided real-time insights into resource availability and demand trends, enabling informed staffing decisions and streamlining the allocation process for improved efficiency and collaboration.
- Developed a dynamic resource allocation visualization using D3.js, improving resource availability insights and optimizing project planning efficiency by reducing manual effort.
- Simplified authentication and authorization across all services by developing a centralized single sign-on (SSO) mechanism using Keycloak, improving security and user management efficiency.
- Led the end-to-end setup of infrastructure, self-managed toolchain, and observability for an enterprise resource management system with multiple microservices, ensuring seamless deployment, monitoring, and scalability.
- Reduced cloud computing costs by 25% through infrastructure optimization and resource scaling strategies, driving cost efficiency without compromising performance.
- Executed a seamless Kafka broker infrastructure migration, replacing existing broker nodes with updated instances through rolling replacements, leveraging Cruise Control for load rebalancing and automated EC2 workflows to ensure zero downtime and data integrity.
- **Technology Stack:** Micronaut, Next.js, PostgreSQL

Intern | Sahaj AI Software Solutions Pvt. Ltd.

July 2022 – August 2022

- Developed a react native application which is used in vehicle insurance industries to automate inference and assessment of the car damage.
- **Technology Stack:** React native, Fast API

Summer Intern | e-Yantra Summer Internship Programme 2022, IIT Bombay

June 2022 – July 2022

- Worked on an internal project for the e-Yantra Virtual Museum Competition where I had to develop a virtual symposium platform to host the grand finale of the competition.
- The system can be configured to host events based on themes and assets provided for the metaverse environment.
- **Technology Stack:** Django, Three.js, Webpack

EDUCATION

Thiagarajar College of Engineering, Madurai | BE in Electronics and Communication | CGPA: 9.2 June 2019 – June 2023

PROJECTS

Functional Weeder, eYRC, IIT Bombay | [link](#)

March 2022

- Configured multiple Alphabots which use Raspberry PI computer to explore an arena and communicate with one another in a distributed fashion to perform tasks simultaneously.
- The robots are programmed using Elixir language with a dashboard created using Phoenix Framework logging the sequence of events and remaining abstracted tasks of sowing and weeding.
- Winner of the theme Functional Weeder as part of the yearly robotics competition organized by e-Yantra, IIT Bombay.
- **Technology Stack:** Elixir language, Phoenix Web Framework, Robotics