SUNNY KACHHIA

Software Engineer - FullStack (Java, React)

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EXPERIENCE

Associate Technical Lead

Webonise Lab - *Offsite consultant at Daily Racing Form and Sungard Availability Services*

📅 March 2018 – Present   📍 Pune, Maharashtra

- **Designing** and **Architecting** features across projects and overseeing their execution.
- Develop and support software on **microservice** based architecture in **Java**.
- Optimised a client web application by converting it to **microfrontends** of re usable components and reducing the overall code footprint by **3x**.
- Introduced **GraphQL** framework in the application to cater to multiple client requirements across their product line and leveraged its capability to serve data in a fast and flexible way. This resulted in reduction of feature development effort and helped us deliver **1.3x** more than the planned work capacity in almost the same time.
- Evangelize **test driven development** in the team. Thus, bringing the overall code coverage from **12%** to **60%**.
- Established practice of writing **SEO** friendly code within the team.
- Introduced and led the development of **mobile web application** which helped in increasing the client's customer base to **1.5x** and in turn generate **1.8x** more revenue year on year.
- Worked to optimise the number of network calls made to the database server **reducing the cost** of API calls to the server **by 42%**.
- Helped one of the client to setup their production infrastructure for **PostgreSQL** with **high availability** and tuned its performance based on the requirement and resources allocated.
- Train and mentor junior engineers through sessions on best **coding practices** and **code reviews**.

Senior Product Engineer

Aindra

📅 June 2015 – Feb 2018   📍 Bengaluru, Karnataka

- **Architect solutions** and **suggest optimisations** for multiple product lines, in one of the **top 10 Artificial Intelligence startups** in India at that time, and follow through with the implementation and deployment.
- Introduced **JIRA** to track and monitor projects while adhering to **Agile practices**.
- Manage, mentor and encourage the engineering team to deliver optimised and robust solutions on time.

1. **Product: Automated detection of cancer cells through staining and imaging**
   - Designed and setup the entire architecture required for the product including servers, database models and API design.
   - **Server Component:**
     - Tools & Technologies: **JAVA**, Hibernate, REST Web Services, Maven, JBoss, **MySQL**, XML, JSON, Log4j logging framework.
   - **Web Component:** Web based cancer cell annotation tool on the concept of telepathology.
     - Tools & Technologies: OpenSeaDragon, Electron, HTML, **JavaScript, Node.js, AJAX**, JQuery, CSS, Bootstrap.

ABOUT ME

A Full-Stack engineer with an overall experience of **7+ years** including **5 years** as a **Java Software Engineer** and 3 years as a **Web Engineer** with a proven track record of successfully delivering more than 5 projects.

A curious soul always intrigued by tech, my interest was piqued while working at **Aindra** where I was responsible for building projects from scratch, leveraging in house **AI platforms** for **face, text, object detection** and **cervical cancer cell detection**.

After moving to **Webonise Lab**, I realised my flair for front end technologies as well, hence committed as a Full-Stack engineer (**Java** and **React**) and now further looking to enhance my **leadership** skills. In the process, I have already started participating in the **staffing** activities and trained more than 20 new recruits on **React, GraphQL and Spring frameworks**.

STRENGTHS

Problem Solving   Agile Development

Client Communication   Teamwork
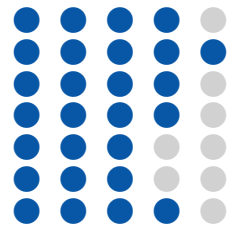
People Management   Stakeholder Management

Hard-working   Persuasive
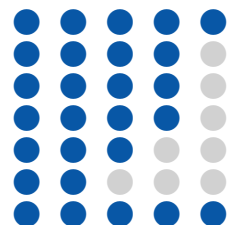
Motivator & Leader

TECHNICAL SKILLS

Java	●●●●○
React	●●●●●
Microservices	●●●●○
MySQL	●●●●○
GraphQL	●●●○○
PostgreSQL	●●●○○
Linux (Ubuntu)	●●●●○

TOOLS

Github/Bitbucket	●●●●●
IntelliJ	●●●●○
VSCode	●●●●●
JIRA/Confluence	●●●●○
DBeaver	●●●○○
AWS	●●○○○
Slack	●●●●●

- Overlooked the development of an intuitive UI for pathologists to analyze and mark cancerous cells on a Whole Slide Image captured from glass slides containing cervical samples.
- **Client component:** Auto Stainer Hardware and Image Acquisition Device
  - Developed an embedded system to automate the functions of a stepper motor in the auto stainer which is responsible for performing various staining processes involved in cervical cancer using blood samples. It includes rotary motion as well as linear motion of the motor and controlling its speed and velocity.
  - Built an intuitive touch based user interface in **python** using **Kivy framework** for the Auto stainer device.
  - Successfully showcased the prototype at the International Knowledge Millennium Conference held at Hyderabad International Conventional Center, Hyderabad, India on 24th October, 2016, organized by IKP knowledge park.
  - Successfully built one more concept of Auto Stainer which is **IoT based** and can be controlled from a mobile device using **Bluetooth Low Energy**.
  - Implemented a subscription model for the Auto Stainer and continuous tracking of the on field deployed devices.

2 **Product: Object recognition and Character recognition system**
- Architectured the system for the product, including servers, database models and API design.
- Designed future proof database schema to accommodate object type and categorization of the detected as well as undetected objects.
- Developed **SaaS based web-interface** for users to identify and cross validate the detected objects on the desired location.
- Integrated with Industrial Insurance provider companies for Fire extinguisher detection and No Smoking sign board detection.
- **Server side Tools & Technologies:** REST Web Services, **JAVA, Hibernate**, Maven, JBoss, **MySQL**, XML, Log4j logging framework.
- **Web portal Tools & Technologies:** HTML, CSS, XML, Bootstrap, **PHP, JavaScript, AJAX**.

Product Engineering Intern

AiNDRA

Aindra

📅 June 2014 – May 2015   📍 Bengaluru, Karnataka

- **Project: Smart Attendance** - Automated attendance system with face recognition and tracking.
- Led the design and development of an end-to-end cloud based system for attendance, automated through computer vision.
- Architectured a scalable solution for a product that is now being used in several places in India.
- **Server side Tools & Technologies:** REST Web Services, **JAVA**, Hibernate(ORM, POJO, DAO, Session, Transaction), Maven, JBoss, **MySQL**, XML, JSON, Log4j logging framework.
- **Client side Tools & Technologies:** Material design, gradle, **Android** (WiFi, Geo Location, Camera, network time, Shared preferences), **SQLite**, JSON, **Google Analytics**, ACRA (Application Crash Reports for Android), Android logging.
- **Web portal Tools & Technologies:** HTML, CSS, XML, Bootstrap, **PHP, JavaScript, AJAX**.
- Deployed and integrated Face recognition based attendance system for the following clients: **Dusters Total Solutions Services Pvt Ltd (DTSS), Positive Shift, Labournet, AR Rail Vikas**

EDUCATION

M.Tech. in Computer Science & Engineering
Nirma University, Ahmedabad

📅 June 2013 – June 2015

B.E. in Computer Engineering
Gujarat Technological University, Ahmedabad

📅 June 2009 – June 2013

ACHIEVEMENTS

- Received **8+ stars** out of 10 in employee performance assessment rating for 3 consecutive years from 2019 to 2021 at **Webonise Lab**
- Awarded as employee of the year 2016 at **Aindra**

INTERESTS

- cricket enthusiast
- Hodophile
- solving puzzles and riddles, especially **Sudoku** and **Kakuro**
- music and movies