

# MANOJ SAHU

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## PROFESSIONAL SUMMARY

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- ✓ Full-stack developer with 8.8 years of experience in all aspects of web application development, from design to deployment and maintenance. Skilled in effectively utilizing a wide range of technologies, including Python, Django rest framework, Flask, SQL Server, Elastic Search, and Angular.
- ✓ Skilled in Object-Oriented Programming (OOPs) and software development life cycle (SDLC). Adept at crafting scalable platforms, implementing microservices, and designing efficient database and agile methodologies.
- ✓ Experience in Docker containerization and Kubernetes, enabling the creation of portable and scalable applications. Skilled in utilizing Oracle Cloud infrastructure, AWS, GCP for cloud-based solutions. Experienced in leveraging CI/CD tools such as Jenkins and Spinnaker for seamless build and deployment automation.

## KEY TECHNICAL SKILLS

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- Django Rest Framework, Flask, Python
- Angular, HTML 5, CSS, JavaScript, Typescript
- Microsoft SQL Server, Elastic Search, Postgres SQL
- Docker, Kubernetes, Jenkins, Spinnaker, Git, Amazon S3, Oracle Cloud Infrastructure
- Machine Learning and scikit-learn: Fundamental understanding acquired from previous experience 4 years ago, covering data preprocessing, basic model development, and analysis.

## PROFESSIONAL EXPERIENCE

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### Senior Member of Technical Staff | Oracle (OCI)

📅 18<sup>th</sup> July 2022 – Present (1 Year)

1. **Cloud Custodian (CNCF)** [ <https://cloudcustodian.io/docs/oci/gettingstarted.html> , [https://github.com/cloud-custodian/cloud-custodian/tree/main/tools/c7n\\_oci](https://github.com/cloud-custodian/cloud-custodian/tree/main/tools/c7n_oci) ] –
  - ✓ Actively contributing to the development of OCI provider for Cloud Custodian, an open-source CNCF tool.
  - ✓ Successfully implemented support for networking resources and session factory within the tool.
  - ✓ Implemented pytest and pyterraform based test cases, ensuring that they met the minimum test coverage criteria of the tool. Additionally, Incorporating the vcrpy library for recording HTTP calls, enabling offline execution of test cases.
  - ✓ Introduced and integrated Horizon analytics to track tool usage effectively.
  - ✓ Introduced and integrated a resource search service, enabling the tool to work at the tenancy level, which received appreciation from the client.
  - ✓ Currently working on implementing a serverless execution mode using Oracle Function and event service.

- ✓ Acquired valuable insights into writing optimized code, gaining exposure to design patterns, and engaging in low-level coding practices in line with open-source standards.

## **2. Platform Service Manager (PSM)**

- ✓ Developed Python scripts for analyzing access logs, job logs, load balancer logs and other manual tasks for PSM Ops team.
- ✓ Updated existing shell scripts and worked on refining the already developed scripts to accommodate breaking changes.

## **Staff Engineer | Western Digital / SanDisk**

📅 **2<sup>nd</sup> Aug 2018 – 15<sup>th</sup> July 2022 (3 Years, 11 Months)**

### **1. YODA (Your Own Data Analytics)**

- ✓ Worked on the application from the scratch and transformed application from a monolithic architecture to a microservices-based structure.
- ✓ Successfully addressed challenges related to large-size file parsing and dataset management by applying concepts from distributed computing, real-time data processing, and data storage.
- ✓ Developed data pipelines for collecting diverse log files, parsing them to meet business requirements, and storing the processed data in Elastic Search, Microsoft SQL Server, and S3 buckets.
- ✓ Utilized Python, Django, Flask, Angular, HTML, CSS, Elastic Search, Microsoft SQL Server, and Postgre SQL in the development process.
- ✓ Write clean code, perform code reviews, drive technical design, and ensure successful technical delivery.
- ✓ Managed and improved CI/CD pipelines using Jenkins, Spinnaker, and Docker for seamless deployments on the Google Cloud Platform.
- ✓ Managed time-sensitive updates such as upgrading SQL database, migrating from mesosphere to GCP, Angular upgrade, Elastic Search upgrade,
- ✓ Collaborated with end-users to gather requirements and design solutions, addressing manual processes and challenges.
- ✓ Integrated self-analytics capabilities using Jupyter notebook and created interactive analytics dashboards with Angular, Highchart, and Plotly Dash framework.
- ✓ Implemented asynchronous task processing with Celery, caching with Redis, and real-time client updates using Django channels.
- ✓ Enhanced application security and user experience through Single Sign-On (SSO) implementation for YODA.
- ✓ Developed an automatic Jira creation feature using JIRA REST API for outlier detection.
- ✓ Conducted Proof of Concepts (POCs) for technologies like Spark and Kafka integration for real-time data processing.

### **2. Datalens**

- ✓ Developed dashboards using AngularJS, Highchart, and ASP.NET API.
- ✓ Utilized Flask API to fetch data from JIRA REST APIs and created custom JIRA reporting dashboards for program management.

## **Application development Analyst | Accenture**

📅 **26 Nov 2014 – 31<sup>st</sup> July 2018 (3 Years, 8 Months)**

### **1. Accenture myLearning**

- ✓ Worked as a developer/onsite coordinator in Manila, the Philippines, for a duration of one year and one month.
- ✓ Developed a single-page, responsive web application as a full-stack developer, utilizing Angular, Bootstrap, HTML, CSS, JavaScript, and jQuery.
- ✓ Utilized C# to create server-side components and REST APIs for the application.
- ✓ Assisted Business Analysts in gathering client requirements, leading to effective design, development, and unit testing of implementations.
- ✓ Developed complex Stored Procedures and T-SQL queries in SQL Server 2012, 2014, and 2016.
- ✓ Configured AWS API Gateway for seamless access to all REST APIs.
- ✓ Successfully completed a use case involving the prediction of planned learning costs based on historical user course data, utilizing machine learning regression models from sci-kit learn library in Python. Successfully deployed the model into production.

## 2. Continuous Improvement Idea Tracker

- ✓ Created a new tool from the ground up using Angular2, HTML, CSS, and Bootstrap.
- ✓ Designed the database and written complex SQL queries and stored procedures.
- ✓ Developed a user-friendly UX design that aligned with the business requirements.

## MOST PROUD OF

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- Successfully completed certification for Oracle Cloud Infrastructure 2022 Foundations Associate (1Z0-1085-22).
- Achieved Business Excellence Award twice.
- Acknowledged for consistently performing above expectations at my current career level.
- Received recognition award from Team Manager for sustained high performance.
- Certified as an Accenture Agile Certified Professional.
- Earned the Make It Happens Award twice at the Western Digital town hall.

## EDUCATION

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### Bachelor of Engineering – Electronics, and Communication

Technocrats Institute of Technology, Bhopal (R.G.P.V.)

📅 2014 | 8.12 CGPA

### Higher secondary/12<sup>th</sup>

Rajendra Saxena Memorial school, Kurwai (MP Board)

📅 2010 | 85.6%

### High School/10<sup>th</sup>

Saraswathi Vidya Mandir, Kurwai (MP Board)

📅 2008 | 91%