

# Sandip Darwade

Senior Software Engineer

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Over **8.5+** years of experience in Python, GoLang, Django, DRF, API Development, Microservices, Generative AI, ETL, and Data Visualisation. Development experience on Linux and Windows. Expert in the Python and GoLang programming languages, with experience in other languages (Shell Script, SQL). Extensive experience with Amazon Web Services.



## Technical Skills

- **Programming Languages:** Python, GoLang, Java, HTML.
- **Web Frameworks:** Django, DRF, Flask, Falcon, Iris (GoLang).
- **Generative AI:** Llama Index, LangChain
- **Python Libraries:** Boto3, Jinja2, Matplotlib, SQLAlchemy, Pandas, Numpy, ORM, Swagger.
- **AWS Services** - EC2, ECS, ECR, S3, RDS, SNS, SQS, SES, Elastic Cache, Lambda, Step Function, Code Pipeline, Elastic Load Balancer, Elastic Beanstalk, Route53, CloudWatch.
- **Other Tools:** Docker, Elasticsearch, MQTT, RabbitMQ, Celery, Logstash, Filebeat, Grafana, Sentry, Gunicorn, Apache Flink, Nginx.
- **RDS:** PostgreSQL, MySQL, SQL Server.
- **NoSQL:** Redis, InfluxDB (Time series), MongoDB,
- **Cloud Platform:** AWS, GoDaddy, Heroku
- **Operating Systems:** Linux, Windows.
- **Other:** GitHub, Gitlab, Bitbucket, Postman, Ab Initio ETL.



## Work Experience

**Jan 2023 - Senior Software Engineer**

**Current**

*Azent Overseas Education Pvt Ltd, Mumbai, India*

### Compass(Product):

- Architect and build comprehensive live counseling service facilitating interaction between students and counselors using 100ms platform.
- Created new services for Live counseling and Generative AI
- Contributed to multiple services like (live counseling service, student service, crm service, lead management service etc)

- Develop APIs with Flask Frameworks.
- **Tech Stack:** Python, Flask, MongoDB, PostgreSQL, Redis, Celery, Docker, Generative AI (Llama Index, Lang Chain)
- **AWS Cloud:** EC2, ECS, ECR, S3, Elastic Load Balancer, Route53, Elastic Cache, Cloud Watch.

## Apr 2019 - Senior Engineer (Backend)

Jan 2023

*Ecolibrium Pvt Ltd, Pune, India*

### SmartSense(Product):

- Leading backend team with aim of developing technology solutions for IIoT.
- Architect and Enhanced tech stack for flagship product smartsense V.3.2  
<https://prime.smartsen.se>
- Contributed to multiple services like (Central-API - Django, Data Service - GoLang, Alert Engine with Apache Flink - Java, Data Acquisition and Message Parsing - MQTT with Python.
- Develop APIs with Django Rest and Iris Frameworks.
- Migrating backend deployment from EC2 to ECS with Docker.
- Transformed RabbitMQ single node to RabbitMQ cluster.
- **Tech Stack:** Python, Django, GoLang, Java, PostgreSQL, Redis, InfluxDB, RabbitMQ, MQTT, Apache Flink, Celery
- **AWS Cloud:** (EC2, ECS, ECR, RDS, S3, CodePipeline, Elastic BeanStalk, Elastic Load Balancer, Route53, Elastic Cache

## Dec 2018 - Python Developer

Mar 2019

*Ivitesse | A Division Of RSB Industries Ltd, Pune, India*

Deputed to Blazeclan Technologies Pvt Ltd.

### Datamart (Espnz):

- Automated unloading data from S3 to DynamoDB.
- Contributed to data acquisition from multiple clients.
- **Tech Stack:** Python, DynamoDB, Lambda, S3, EC2, SNS, SQS, PostgreSQL, boto3, CloudWatch

### Hyper-Personalization (HDFC Life):

- Contributed to Data Acquisition and Transformation
- Develop APIs using lambda functions.
- **Tech Stack:** Python, DynamoDB, Lambda, S3, Step Function, PostgreSQL, ECS, Docker, boto3, Pandas NumPy, CloudWatch.

## Nov 2015 - Consultant

Mar 2019

*Elait IT Technology Services Pvt Ltd, Chennai, India*

### Avance 360 (MDA Chennai):

- Develop Web application with Flask for project.
- Digitize existing workflow at MDA.
- **Tech Stack:** Python, Flask, HTML, CSS, Jinja2, MySQL, uWSGI, Apache.

### **LifeFy (Apoyo Seguro):**

- Develop APIs with Falcon framework.
- Integrated third-party APIs like DocuSign and LexisNexis.
- Integrated payment gateways like Stripe and AuthorizeNet.
- **Tech Stack:** Python, Falcon, Nginx, MySQL, wkhtmltopdf, Matplotlib, EC2, S3.

### **Other:**

- Contributed to multiple AbInitio projects like (LandG and GroupM).
- Develop Generic Logging Framework for LandG in AbInitio ETL.



## **Education**

### **Jul 2013 - M. Tech: Computer Engineering**

**Jul 2015** *Malaviya National Institute of Technology - Jaipur India*  
CGPA: 7.78

### **Jul 2009 - B. Tech: Computer Science Engineering**

**Jul 2013** *SGGS Institute of Engineering And Technology - Nanded India*  
CGPA: 7.97

### **Jun 2007 - HSC: Science**

**Jun 2008** *Dada Patil Rajale Art And Science College - Pathardi, India*  
Percentage: 77.0

### **Jun 2005 - SSC**

**Jun 2006** *New English School Adinathnagar - Pathardi India*  
Percentage: 78.40



## **General Skills**

- Effective communication.
- Problem solving: thorough and tenacious.
- Multitasking: ability to juggle multiple projects simultaneously.
- Management: time, projects, and personnel.
- Teaching and training.
- Flexibility to adapt and always eager to learn.
- Sincerity in doing work, a good team player and leadership skills.



## **Declaration**

I, **Sandip Darwade**, hereby declare that above information is true to the best of my knowledge.

Sandip K. Darwade