



Dr. Shubham Dipt

Python Developer | Data Engineer

Location

Berlin, Germany

Contact

+49 176 71050270
shubham.dipt@gmail.com
shubhamdipt.com

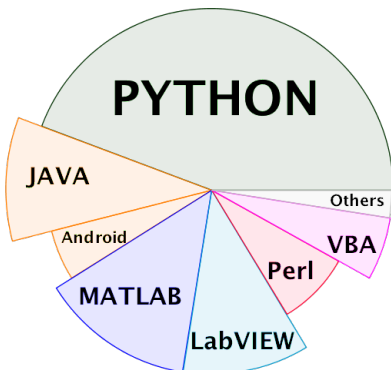
PyPI & Git

PyPI
GitHub

OS Preference

MacOS ★★★★★
GNU/Linux ★★★★★
Unix ★★★★★
Windows ★★★★★

Programming



Experience

- 05/24 - present **Tech Lead for Gen AI Platform** [Colgate-Palmolive, United States](#)
Designing, building and configuring applications to meet business process and application requirements
Participate in code reviews and provide constructive feedback to other developers.
- 11/23 - 12/24 **AI Engineer/Script Developer** [SAP, Germany](#)
Developed scripts to maintain data pipelines
Machine learning algorithms for total cost optimization
Developed a Slack and Teams chatbot for database queries
- 09/23 - 02/24 **Python/Django Developer for AI** [Property Litigation Group, United States](#)
Created an innovative AI-driven tool to analyze insurance policies
Designed the entire software architecture and data pipelines
Created a chatbot for insurance related questions.
- 11/22 - 05/24 **Senior Data Engineer** [RetailSonar, Belgium](#)
Designed the data architecture
Implemented ETL processes of Geo-Spatial data
Built scalable data analysis solutions based on Spark and SQL
Maintenance of machine learning scripts
- 05/22 - 10/22 **Lead Python Developer** [Genius Ventures Inc, United States](#)
Developed an application using Django and machine learning to control a talking avatar
Built the complete architecture of the product in AWS
Tracked issues and features in Jira for the backend and frontend teams
- 09/21 - 04/22 **Senior Python Engineer** [Laya GmbH, Germany](#)
Setting up of the backend architecture
Designing API schema
Continuous integration and deployment
Code review and estimation of tasks

Profile

Python Engineer with background in Computational Neuroscience

I did my Ph.D in computational neuroscience. Diversity in my experiences is my strength. Programming, problem solving and data analysis define my passion.

Personal Skills



Languages

English ★★★★★
German ★★★★★

Skills

Languages	Python, Shell, JAVA, JavaScript, React Native, Perl, MATLAB, LabVIEW, VBA, HTML, PHP, CSS, \LaTeX
Databases	PostgreSQL, MongoDB, MySQL, Redis, SQLite
Gen AI skills	LLM, ChatGPT, LangChain/LangGraph/CrewAI, Prompt engineering, Azure Generative AI Services/AWS Generative AI Services/GCP Generative AI Services, RAG, Fine tuning
Big Data skills	Apache Airflow, Apache Superset, Apache Drill, Apache Nifi, Apache Hadoop, Apache Spark, Apache Kafka, Elasticsearch, ETL/Data warehousing, Power BI
Machine learning	Regression, Clustering, Decision tree, Dimensionality reduction, Bayesian, Neural networks, NLP
AWS skills	EC2, ECR, ECS, EMR, Lambda, S3, RDS, Amazon Redshift, AWS Glue, VPC, Route 53, API Gateway, AWS Step Functions, CloudWatch, CloudFormation, IAM
Web framework	Django, Flask, FastAPI, Django CMS, Pyramid
Technologies	Pandas, GeoPandas, scikit-learn, TensorFlow, Django Channels, Boto, PySpark, Spark SQL, Luigi, Grafana, ELK, Prometheus, npm, DjangoRQ, Celery, Fabric, Unicorn, Sentry, Stripe, Pug, Sass, Grunt
PyPI contributions	passbolt-python-api,django-microsoft-authentication,django-simple-queue,sql-orm
Deployment	Ansible, Docker, Kubernetes, Jenkins, GitLab, Heroku
Cloud	AWS, GCP, Azure, Heroku
Development	PyCharm, VS Code, IntelliJ IDEA, Sublime, Vim, Docker, Git
Hardware	NI-VISA, Arduino platform
Methodologies	Agile, Scrum, Kanban

Education

2011 - 2015	Doctor of Philosophy (Ph.D) Georg-August-Universität Göttingen Max Planck Institute for Dynamics and Self-Organization Title of the Thesis: <i>"Neuronal mechanisms of odor classification in the Drosophila antennal lobe: an optical imaging study"</i> .
-------------	---