



Dr. Shubham Dipt

Python Developer | Data Engineer

Location

Berlin, Germany

Contact

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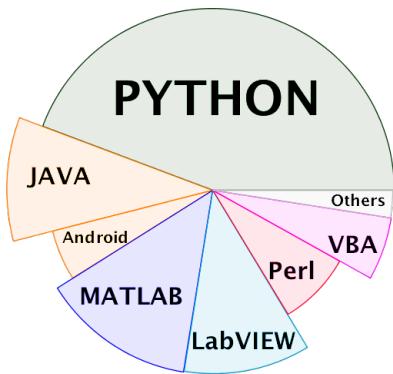
PyPI & Git

PyPI
GitHub

OS Preference

MacOS
GNU/Linux
Unix
Windows

Programming



05/24 - present	Tech Lead for Gen AI Platform Designing, building and configuring applications to meet business process and application requirements Participate in code reviews and provide constructive feedback to other developers.	Colgate-Palmolive, United States
11/23 - 12/24	AI Engineer/Script Developer Developed scripts to maintain data pipelines Machine learning algorithms for total cost optimization Developed a Slack and Teams chatbot for database queries	SAP, Germany
09/23 - 02/24	Python/Django Developer for AI 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.	Property Litigation Group, United States
11/22 - 05/24	Senior Data Engineer 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	RetailSonar, Belgium
05/22 - 10/22	Lead Python Developer 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	Genius Ventures Inc, United States
09/21 - 04/22	Senior Python Engineer Setting up of the backend architecture Designing API schema Continuous integration and deployment Code review and estimation of tasks	Laya GmbH, Germany

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, L ^A T _E X
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, Gunicorn, 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: "Neuronal mechanisms of odor classification in the *Drosophila* antennal lobe: an optical imaging study".