



Pushpit Bhardwaj

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WORK EXPERIENCE

Cloudrizon GmbH | IT-Consulting - Germany, Dresden

DevOps / Infrastructure Admin

[07/04/2025 - 31/12/2025]

- Worked on **enterprise-scale cloud infrastructure** for the Vaillant project
- Built and maintained **Azure AKS** clusters across sandbox, dev, QA, and prod using **Terraform**
- Deployed and operated containerized services on **Kubernetes** using **Portainer** (Azure & Hetzner)
- Implemented centralized logging and observability with **Graylog**, **Fluent Bit**, **OpenSearch**, **MongoDB**, and **IBM Instana**
- Developed custom **Open WebUI & LibreChat** with per-user token limits, admin dashboards, and usage reporting for AI cost control
- Set up **n8n** servers and automated Jira-Slack workflows using n8n to improve workload visibility and reduce manual tracking
- Worked with **Spring Boot** microservices with **PostgreSQL** in Kubernetes environments

Technische Universität Dresden - Germany, Dresden

Research Assistant

[01/02/2024 - 28/02/2025]

- Designed a SAGA-based scalable transaction system for a distributed online shop using Choreography and Orchestration approaches
- Using **Java**, **MQTT**, **Kubernetes**, **gRPC**, **OpenAPI**, Spring Boot, **Prometheus**, **Grafana**, and **LDAP**

Autify Network - India, Bangalore

Full Stack Developer

[22/02/2023 - 30/09/2023]

- Developing B2B solutions for the supply chain industry leveraging **blockchain** technology
- Writing robust **smart contracts** using the **ERC-2535 Diamond Standard** and working with ERC-4337 Account Abstraction
- Implementing a first-of-its-kind web3 auth system using magic auth with account abstraction to make user onboarding smoother
- Leading frontend development of the application using **Next.js**, **TailwindCSS**, and **TypeScript**

Musixverse - India, New Delhi

Software developer

[31/10/2021 - 28/02/2023]

- Writing robust **smart contracts** following the EIP-2535 Diamond and ERC1155Upgradable Standard
- Building the backend using **Node.js**, improving the performance, and **optimizing database queries**
- Integrating the Twitter API, Persona Identity Verification, and Stream Chat into the application
- Writing **test cases** for the smart contract and fixing flaky test cases in the test suite

ImmuneBytes - India, New Delhi

Smart Contract Security Auditor

[30/11/2021 - 28/02/2022]

- Worked with smart contract **fuzzing tools** like **Echidna** and **Scribble** to test and rectify vulnerabilities.
- Developed a **monitoring tool** for wallets/smart contracts to get instant notifications via email/telegram
- Used **Moralis**, **Next.js**, and **TailwindCSS** for product development

Fitteo

Backend and Cloud Operations Engineer

[17/07/2021 - 17/08/2021]

- Administered the **DevOps** & CI/CD parts for a React Native app using **AWS ECS**, **ECR**, **Docker**, GitHub Actions, and Webhooks
- Worked using **Microservice Architecture** to develop several microservices using **Node.js**
- Also worked with AWS services like **S3**, **Lambda**, **DynamoDB**, **Elasticsearch**, **SES** and managed payment integration using Stripe

Yoganta

Software Developer Intern

[31/05/2021 - 30/08/2021]

- Built a PWA using the **MERN** stack and **Firebase**; also worked with **Gatsby** and **Material UI**

MrktDB

Full Stack Developer & DevOps Engineer

[30/06/2020 - 30/05/2021]

- Set up and manage the production version of the website on Amazon Web Services using services like AWS **EC2**, AWS **Elastic Beanstalk**, AWS **S3**, AWS **ECS**, AWS **Lambda**, etc.
- Formulated **Python scrapers** using **BeautifulSoup** and **Selenium** to scrape SEC's website
- Created REST APIs in **Django** that enable the frontend to communicate with the backend
- Built the UI using **React.js** & **Chart.js** and set up cron-jobs that need to be executed at recurring intervals of time

EDUCATION & TRAINING

Master of Science in Distributed Systems Engineering

Technische Universität Dresden [01/10/2023 - Current]

City: Dresden | Country: Germany

B.Sc (H) Computer Science

University of Delhi [21/07/2019 - 30/05/2022]

Goethe-Zertifikat B2

Goethe Institut Indien [30/06/2021 - 29/09/2021]

Computer Science for Web Programming Professional Certificate

HarvardX

Data Structures and Algorithms

GeeksforGeeks

Blockchain Specialization

University at Buffalo (Coursera)

Computer Science for Artificial Intelligence Professional Certificate

HarvardX

AWS Specialization

Amazon Web Services (Coursera)

Responsive Website Development and Design Specialization

University of London (Coursera)

SKILLS

React.JS | JavaScript | Git | HTML | CSS | Python | MongoDB | Github | Web Development | Bootstrap | Django | Node.js | C++ | AWS | Firebase | Elasticsearch | Moralis | Solidity, Truffle, Hardhat, Web3 | Next.js | Tailwind CSS | Final Cut Pro X | Adobe Lightroom | Data Science, Data Analytics, Data Visualization | SQL | Docker | Microservices | Postman | Continuous Integration | Software Engineering | API Integrations | Visual Studio Code | Go/Golang | Kubernetes

HONOURS AND AWARDS

[06/07/2025] Infineon

Winner: Infineon x YETI Hackathon

Polygon

Winner: Polygon BUIDL IT Hackathon 2021 (NFT & Gaming Track, IPFS/Filecoin Track)

Link: <https://devfolio.co/submissions/musomatic-cf6f>

hackCBS

Winner: hackCBS 4.0 - India's largest student-run Hackathon

Link: <https://hackcbs4.hackerearth.com/>

Moralis / Filecoin

Winner: Moralis x Filecoin 1, 2, Web3! Hackathon

Link: <https://devfolio.co/projects/podmatic-e5f2>

ETHGlobal

Winner: ETHIndia 2022

Link: <https://devfolio.co/projects/innoveth-4ff2>

SheBuilds

Winner: SheBuilds Hackathon

Link: <https://devfolio.co/projects/projectproduct-5660>

NETWORKS AND MEMBERSHIPS

[01/06/2023 - Current]

Chainlink Developer Expert Chainlink Developer Experts are smart contract and blockchain developers with deep experience building with Chainlink who are passionate about sharing their technical knowledge with the world.

[01/12/2022 - Current]

Binance Campus BUIDLer Acting as a leading voice in the field and helping spread financial literacy and crypto & blockchain awareness

[21/02/2022 - Current]

Polygon Advocate Polygon Advocates are the closest members of the Polygon community, who help them take forward the mission of growing Ethereum and Polygon by spreading knowledge and onboarding new members

[16/07/2021 - 30/06/2022] Microsoft

Microsoft Learn Student Ambassador (Alpha) Learn Student Ambassadors are a global group of campus leaders who are eager to help fellow students, create robust tech communities and develop technical and career skills for the future

[31/07/2019 - 30/05/2022] The Darkroom (the Visual Arts society of SSCBS)

Head of Videography and Filmmaking

[21/07/2019 - 30/05/2022] DUMUN (the Model United Nations society of University of Delhi)

Head of Delegate Relations

[30/09/2019 - 09/06/2021] Communiqué (the Public Relations Cell of SSCBS)

Core Committee Member

PUBLICATIONS

[2023]

Ethereum Data Analytics: Exploring the Ethereum Blockchain

Conducted an exploratory data analysis of the Ethereum blockchain, including its architecture, consensus mechanisms, and industry applications. Analyzed transaction data, gas usage, addresses, smart contracts, and ETH price trends. Presented detailed insights on the Ethereum model, roadmap, and dataset schema, with focused analytics on transaction volume, accounts, and smart contracts.

[2022]

A Comprehensive Survey on Covid-19 Prediction Models

This review paper analyzes 64 research studies from sources such as Google Scholar and Carnegie Mellon University (CMU) to examine various deep learning models and techniques for predicting COVID-19 cases. The paper provides valuable insights into the progress made in the field, evaluates the performance of different forecasting methods, and identifies potential future directions for research in pandemic prediction modeling.

PROJECTS

Faceless A website to create and edit viral videos using AI. Developed using Node.js, Next.js, MongoDB, WhisperX, Docker, and Remotion

Link: <https://faceless.so>

SitFit - Health & Wellness Desktop Application A native macOS application that helps remote workers maintain healthy habits during long work sessions through intelligent break reminders, posture monitoring, and eye strain prevention.

Link: <https://sitfit.xyz>

SuperSend A platform to automate cold outreach across email, linkedIn, and twitter. Built using Node/Next.js, Docker, Kubernetes, PostgreSQL

Link: <https://supersend.io>

EverythingAI A website that provides the easiest way to search, compare, and buy AI tools. Technologies used: Next.js, AWS, Node.js, Puppeteer

Link: <https://github.com/Side-Products/EverythingAI>

Social3 A comprehensive platform for exploring jobs in Web3 and securing rapid employment. Developed using Node.js, AWS, Next.js, SQL, Langchain, Docker

Idea2Business A platform that helps transform ideas into successful ventures. By entering an idea, users receive personalized guidance & tools, including a custom pitch deck template, to accelerate business growth and secure funding. Used: Next.js, MongoDB, Docker

Link: <https://github.com/Side-Products/Idea2Business>

BeatShare A collaborative music platform where users listen together in shared rooms with host controls, voting-based skips, and Spotify API integration. Built with Django, Python, and React.js

Link: <https://github.com/Pushpit07/BeatShare>

Spotify Exploratory Analysis The objective of this data analysis was to explore the Spotify dataset through different visualisations and answer interesting questions to get insights about the dataset and people's preferences over the years

Link: <https://github.com/Pushpit07/Spotify-Exploratory-Analysis>

PrivacyChecker PrivacyChecker is a Google Chrome extension that automatically summarizes and lists out the suspicious points in a website's privacy and cookie policies.

PolyHarmony PolyHarmony is a platform created for musicians that helps in deriving chords in possible scales after taking an input of musical notes. In essence, harmony makes this task of figuring out chords for a particular melody easier and less time consuming

Links: <http://polyharmony.in> | <https://www.youtube.com/watch?v=PzxeoUs9KFI> | <https://github.com/Pushpit07/Harmony>

VOLUNTEERING

Hack the North 2021

Hacker and Mentor Volunteered as a mentor and helped participants with any technical queries that they had during the hackathon

Link: <https://hackthenorth.com/#about>

[30/11/2021 - 27/02/2022]

Mentor Script Winter of Code is an open-source program envisioned by the Script Foundation. I am working as a mentor and guiding contributors to make contributions in Project Sirius

[31/08/2021 - 29/11/2021] GirlScript Winter of Contributing

Mentor Offered assistance to the contributors in the open-source program by helping them make contributions, assisting them in creating content, answering questions, and managing the subject repository

[28/02/2021 - 30/05/2021] GirlScript Summer of Code

Open Source Developer Contributed to various projects under the Algo Phantoms Organization and TesseractCoding. This experience required working with several technologies, some of which are Django, JavaScript, ReactJS, HTML, CSS, Python, and C++

[20/02/2021 - 06/06/2021] AboutCode: nexb.com

Open Source Developer Wrote Python importers to collect vulnerability data and fixed existing issues. Created the vulnerability view in VulnerableCode

LANGUAGE SKILLS

Mother tongue(s): Hindi

English

LISTENING: C1 **READING:** C1 **WRITING:** C1

SPOKEN PRODUCTION: C1

SPOKEN INTERACTION: C1

German

LISTENING: B2 **READING:** B2 **WRITING:** B2

SPOKEN PRODUCTION: B2

SPOKEN INTERACTION: B2