

Aakash Aggarwal

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EXPERIENCE

WebShar

October 2023 – Present

Software Engineer / Python, Django, Redis, PostgreSQL, AWS, Docker, CI/CD, Jenkins, FHIR, MongoDB

- Delivered scalable healthcare solutions using **Python, Django, PostgreSQL, AWS Lambda, S3**, and **FHIR**, enhancing system performance and data management.
- Implemented **OAuth2**-based authentication system, strengthening application security and safeguarding patient data.
- Engineered **database architecture** and workflows, ensuring a robust foundation for long-term system scalability.
- Led **cloud deployment** with **AWS, Docker**, and **CI/CD pipelines** in **GitHub Actions**, ensuring 99.9% system uptime and rapid troubleshooting.
- Developed and optimized production-grade **APIs** with **Django Rest Framework**, backed by extensive unit testing to ensure seamless deployment and exposed them for integration with Angular and React Native.
- Automated critical processes with **Python** and **Jenkins**, cutting manual efforts by 70%, significantly boosting team productivity.

Holy Basil Matra

May 2023 – Oct 2023

Software Engineer / Python, Django, Celery, MySQL, AWS, Javascript, HTML, CSS

- Led development of an MVP healthcare service from prototype to deployment, showcasing strong **R&D** skills.
- Developed **Python algorithms** for real-time streaming of camera feeds and patient vitals, improving medical monitoring by 50%.
- Built backend infrastructure with **Django** and **MySQL** for efficient healthcare data management and analysis.

eClerx

Aug 2019 – July 2020

Analyst / Python, MongoDB, Jenkins, Zendesk, Linux

- Ingested and managed client-provided data into **MongoDB** to ensure accurate and updated application data.
- Handled **technical support tickets** via Zendesk, troubleshooting issues and providing timely resolutions.
- Developed and maintained **automation scripts** to streamline data processing, improving overall system efficiency.

EDUCATION

Chandigarh University

Chandigarh, India

Master of Computer Applications; GPA: 8.55/10.00

2021 – 2023

PROJECTS

Novus Aurelius / Python, Django, Redis, Websocket, JWT, AWS, HTML, CSS, Figma

July 2023 – June 2024

- **Led a cross-functional team** of designers, frontend developers, and backend interns to build a fully-featured **Stock Market SaaS platform** using **Django, MySQL**, and **Python**, driving product development from concept to launch.
- **Integrated Stripe payment gateway**, enabling secure and seamless transactions for subscription-based services, improving the user onboarding and payment process.
- **Deployed** the platform on **Amazon LightSail** using **EC2** and **S3**, ensuring **high availability**, scalability, and performance for end users.

ACHIEVEMENTS

WebStar Award: Awarded letter of appreciation [certificate](#) in WebShar for the Quarter January-March 2024.

Python Pro: Got a 5-star Gold Badge in HackerRank for Python programming.

Founder & Lead, College Coding Club: Established and supervised a Coding Club at college, arranging 10 coding competitions, 5 workshops, and 3 boot camps, aimed at enhancing the coding abilities of fellow students.

SKILLS

Languages and Frameworks: Python, Django, Javascript, HTML/CSS, MySQL, PostgreSQL, FHIR, MongoDB, Linux.

Developer Tools and Tech: Git, Docker, Jenkins, Prometheus, Grafana, AWS.