

Aman Shitta

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Technical Skills

Total Year of Experience : 3+ Years

Programming: Python, JavaScript, Go (learning), Java (basic), C (basic), Django, Django Rest Framework, Flask, FastAPI.

Web Technologies: HTML/CSS, REST APIs, Web Scraping, Scripting

Databases: MySQL (AWS-RDS), PostgreSQL, MongoDB (basic)

Cloud & DevOps: AWS, GCP, Azure App Services, Docker, Kubernetes, Prometheus, Grafana, Loki

AI & Machine Learning: OpenAI GPT, DALL-E, Midjourney, OCR (PyTorch, TensorFlow)

Version Control & Collaboration: GitHub, GitLab, Bitbucket, Jira

Relevant Experience

Backend Engineering Expertise

3+ years of experience designing, developing, and deploying scalable backend systems using Python, Django, and cloud technologies.

Proven track record of accelerating project completion and optimizing performance through innovative solutions (e.g., API design, database optimization).

Strong leadership skills (promoted to Senior Software Engineer in 5 months) with experience guiding teams in complex backend development tasks.

Crossml Pvt. Ltd
Senior Software Engineer

Chandigarh, IN
Aug 2024 – Present

Onestone Management System

- **Led a backend development team** (4 members), fostering collaboration and streamlining project delivery.
- **Architected and implemented high-performance APIs**, reducing project timelines to meet sprint deadlines in order to achieve MVP goals..
- **Optimized database architecture** for new modules, ensuring seamless integration and a 40% improvement in performance.
- **Conducted code reviews** and provided constructive feedback to maintain high coding standards.
- **Collaborated with Business Analysts** to translate requirements into business logic for system development.
- **Designed and optimized databases** according to client specifications, ensuring smooth transitions for the development team.

Facilitated a seamless development process by creating comprehensive database doc and support.

Technologies & Tools: Python, Django, Django Rest Framework, Project Management Tools (Jira), MS SQL (Azure), Version Control (Azure Repos)

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Crossml Pvt. Ltd
Software Engineer, Python

Chandigarh, IN
July 2023 – Aug 2024

Alltheai

- **Enhanced User Experience with AI Integration:** Successfully integrated advanced machine learning models like GPT and DALL-E into production systems. This integration significantly improved the user experience by automating complex tasks and generating creative content.
- **Streamlined Content Creation Process:** Developed and implemented an automated prompt customization system that reduced user input time by 30%. This streamlined workflow empowers users to focus on higher-level tasks and accelerates content creation.
- **Empowered User Customization:** Engineered a feature that allows users to define custom GPT prompts based on specific templates. This flexible approach enhances user interactivity and provides greater control over content generation.
- **Advanced System Monitoring and Logging:** Deployed a robust monitoring and logging solution using Prometheus, Loki, and Grafana. This comprehensive system provides real-time insights into system performance, identifies potential issues, and facilitates proactive maintenance.

Technologies Used: Python, Django Rest Framework, MySQL(AWS-RDS), OpenAI GPT, Kubernetes, Grafana.

Infinity Fire Solutions

- **Enhanced Inventory Management:** Led the development of a new inventory management module for Infinity Fire Solutions, improving the tracking and management of critical items.
- **Dynamic Web Development:** Designed and implemented Django views to create dynamic and responsive web pages, providing a seamless user experience.
- **Robust Security Implementation:** Ensured data security by implementing strong security measures for API interactions, safeguarding sensitive information and system integrity.
- **Scalable Cloud Deployment:** Collaborated with the project team lead, to deploy the application on Kubernetes using AWS, ensuring scalability, reliability, and efficient resource utilization.
- **Cloud-Based Solution Architecture:** Contributed to the design and implementation of a cloud-based solution leveraging AWS services, improving operational efficiency and system resilience.

Technologies Used: Django, HTML/CSSPython, JavaScript, MySQL(AWS-RDS), Kubernetes, AWS, API Integration, Version Control (Github).

Crossml Pvt. Ltd
Associate Software Engineer / Software Intern.

Chandigarh, IN
Aug 2021 – June 2023

Full-Stack Development

Web Development: Developed REST APIs and backend services using Django and Django Rest Framework.

- **Data Processing and Analysis:** Utilized Python libraries like Pandas and NumPy for data manipulation and analysis.
- **Image Processing:** Applied OpenCV for image preprocessing techniques like grayscaling, binarization, and thresholding.
- **OCR and Text Extraction:** Developed algorithms to reconstruct text from OCR outputs (Tesseract, AWS Textract, DoctrOCR) and format results into structured JSON.

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Technical Skills:

- **Programming Languages:** Python
- **Web Frameworks:** Django, Django Rest Framework
- **Cloud Platforms:** AWS (EC2, RDS, Kubernetes, Cognito)
- **Containerization:** Docker, Kubernetes
- **Databases:** MySQL
- **Monitoring Tools:** Prometheus, Loki, Grafana
- **AI and Machine Learning:** OpenAI API, DALL-E, Midjourney, Stable Diffusion
- **Data Science Libraries:** Pandas, NumPy
- **Image Processing:** OpenCV
- **OCR:** Tesseract, AWS Textract, DoctrOCR
- **Version Control:** Git (GitHub)

Education

LOVELY PROFESSIONAL UNIVERSITY

B.E. in Computer Science Engineering with a concentration in Cybersecurity. GPA: 6.45
Relevant Coursework: Extensive learning in Python language, Design and Analysis of Algorithm
Additional Activities:

- Workshop on Critical Thinking.
- Participated in Redhat's *RHCSA training workshop. Scored 191/210 in the certification test, providing significant learning experience despite not passing the exam.

Punjab, IN
July 2021

GOVT. POLYTECHNIC COLLEGE

Completed a diploma in CSE, gaining knowledge in OS, Networking, and related areas. 64%

Mandi, IN
July 2015

GOVT. MODEL SR. SEC. SCHOOL,

Completed High School in a non-medical stream, focusing on Physics and Mathematics. 65%

Chandigarh, IN
August 2015

Skills & Interests

Technical:

- **Programming Languages:** Python, JavaScript
- **Frameworks:** Django, Django Rest Framework
- **Databases:** MySQL (AWS-RDS)
- **Tools & Technologies:** OpenAI GPT, DALL-E, Midjourney, Prometheus, Loki, Grafana, Kubernetes, AWS, HTML/CSS, API Integration, Version Control (GitHub)

Language:

- **English:** Conversational
- **Hindi:** Native

Interests:

- **Cybersecurity:** Passionate about learning new techniques and staying updated with the latest trends.
- **AI and Machine Learning:** Interested in exploring advancements in AI and their real-world applications.
- **Hiking and Trekking:** Enjoy exploring new trails and outdoor adventures.

|| Thanks & Regards ||