ESHAN SINGH

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Kanpur, Uttar Pradesh, India

SUMMARY

I am Eshan Singh and for the past 4 years I have been doing contracts in multiple domains of tech , which are IOT, DevOps, Full Stack Web Development and Cyber Security. My lifelong passion for technology has driven me to work in major domains within the field.

SKILLS

Technical Skills:
- Backend Development: Node.js, Express, Django, Python, Flask, FastAPI
- Frontend Development: React, EJS, Next.js
- Databases: MySQL, MongoDB, PostgreSQL, Elasticsearch
- Cloud Computing: Oracle Cloud, AWS (Amazon Web Services), Azure (Microsoft Azure)
- Cybersecurity: Pen Testing, Digital Forensics

Additional Skills:
- Fluent in team communication and management
- Proficient in leading and coordinating cross-functional teams
- Strong problem-solving and strategic planning abilities
- Adept at handling multiple projects simultaneously and delivering results under tight deadlines
- Automation and manual testing

CERTIFICATIONS

- Digital Forensics - EC Council
- Software Engineering - HackerRank
- Mastercard - Cybersecurity Job Simulation- Forage
- Penetration Testing Professional -Cybrary
- System Administration - Microsoft
- Cyber Security- Microsoft

VOLUNTEER

Tech Specialist and Manager of Operations

DEF CON Delhi | November 2023 – Present
- In charge of creating the CTF for 500+ attendees and hiring, as well as converting the tech stack from PHP to JS.
- In charge of traffic, DNS records, and server maintenance and monitoring.

PROFESSIONAL EXPERIENCE

Technical Specialist

OTTOCLICK PVT. LTD. | May 2024 – September 2024
- Responsible of IOT automation and hardware integration with software.
- Responsible for network traffic maintenance.

Full Stack Developer

Sangrah Innovations | January 2024 - March 2024
- Developed dynamic APIs for bill management ,data handling and worked on major modules that helped in optimization of the project by 20%
- Actively participated in code reviews, debugging, and troubleshooting to maintain high code quality standards and ensure the reliability and stability of the application.

Software Engineer (Internship)

K12 Techno Services Pvt. Ltd. | June 2024 – August 2024
Bengaluru, Karnataka, India (On-site)
- Responsible for building automation tools for web scrapping filtering and working on in-house and experimental products like bulk messaging networks and integration of hardware for school education.
- Skills: Software Development, Automation, Custom Tool Development

Cyber Security Engineer

EGyanam Technology | June 2024 – Present
Remote
- Responsible for tool development and dealing with vulnerability management tools and scanners
- Skills: Python, Qualys, Tenable, Django

Trainer

Delivered workshops and lectures at IIT Kanpur and IISC Bangalore and other institutes.

EDUCATION

Amity University

Bachelor's Degree in Computer Application
2024-2027

The Chintels School

Schooling
2007-2022

CONTRACT EXPERIENCE

COLLEGE

Web Development
- Made major projects for seniors.
- Also contributed a major chunk for development of college fest (Ignitia 2k24)
- Also helped many incubated startups with their websites.

IOT Development
- Prototyped robots and drones for various startups.
- Built 25+ projects on arduino, esp 32, rasberry pi and rfid based systems.
- Researched and developed prototype vending machines and other IOT devices.

CONTRACTS

Satellite Module Development
- Mentored and guided a team of 4 college students to build module for satellite launch and control.
- Optimized module for smoother latency and less bugs

Infrastructure Setup
- Built entire network infrastructure from scratch to keep network connection among the systems among the restricted areas.
- Established firewall networks and built the whole eco-system

DevOps and Server Management
- Responsible for bringing the whole website live and containerizing it and making it secure.
- Built CI/CD pipelines for easier deployments.
- Used Kubernetes to balance server load.

Digital Forensics
- Assisted seniors on Audits of Network infrastructures, application and Audits on PLC's.
- Found many vulnerabilities (cve based vulnerabilities and other blind spots for data leak) and patched them for secure workflow.

IN PROGRESS

SaaS Development
- Have built various SaaS for various people and currently also I am building SaaS application for AI automation and other aspects.
- Application built were for education and automation domains.