

Shrey Bhardwaj

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Summary

Results-driven **Software Engineer** with **2.5+ years of experience** in architecting and optimizing **high-performance SaaS platforms** to **maximize business profitability**. Adept at **full-stack development (React, Next.js, Django, PostgreSQL, MongoDB)** and **cloud-native solutions (AWS, Docker, Kubernetes)**. Proven ability to **enhance operational efficiency, automate workflows, and fortify security**, achieving: **90% reduction in system vulnerabilities, 95% decrease in manual effort, 25% boost in customer retention**. Passionate about **scalable, high-performance solutions** that **drive customer satisfaction and revenue growth**.

Technical Skills

- **Languages:** HTML, CSS, JavaScript, Python
- **Frameworks & Libraries:** React, Next.js, Django
- **Databases:** PostgreSQL, MongoDB, Redis, Elasticsearch
- **Tools & Platforms:** Git, Docker, Kubernetes(K8S) , AWS (EC2, S3, etc.), Apache Kafka, Linux, Kibana, Postman, Jira
- **APIs & Architectures:** REST APIs, Containerization
- **Methodologies:** Agile/Scrum
- **Monitoring & Logging:** Elasticsearch, Kibana (ELK Stack)

Professional Experience

Masters India

Remote

Software Engineering Intern → SDE 1

Jul 2022 - Present

- Built a customer management platform (Django/PostgreSQL) with automated subscription tracking, improving retention by 25%.
- Automated manual workflows using Python, cutting data processing time from 4 hours to 15 minutes (93% reduction) and reducing errors by 90%.
- Optimized 15+ legacy APIs, standardizing error handling and reducing client-side integration errors by 40%.
- Reduced server response time by 35% by refactoring 80% of legacy code for scalability.
- Integrated 6+ third-party APIs (payment, authentication), slashing development cycles by 30%.
- Enhanced security via 2FA and IP whitelisting, reducing unauthorized access by 70%.
- Fixed 450+ bugs/tasks with 100% on-time delivery, accelerating product releases by 20%.

Cybersocial

Haldwani, Uttarakhand

Penetration Tester Intern

Jun 2022 - Jul 2022

- Conducted vulnerability assessments and penetration tests on 5+ web applications using tools like Burp Suite, Nmap, and OWASP ZAP, identifying 12+ critical vulnerabilities (e.g., SQLi, XSS, misconfigured CORS).
- Authored detailed technical reports with CVSS scoring and remediation steps, improving clients' security posture by 60% within 2 weeks of disclosure.
- Simulated phishing campaigns and social engineering attacks to test employee awareness, leading to updated security training protocols for 200+ staff.
- Automated repetitive tasks (e.g., payload generation, log analysis) with Python and Bash scripts, reducing testing time by 25%.

Education

K.R. Mangalam University

Gurugram

Bachelor's Degree in Computer Science

Aug 2018 - Jul 2022