

# Abhishek Saini

## Lead Software Developer

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Experienced Software Developer with over 5 years of expertise in designing, developing, and managing scalable, reliable software solutions. Proficient in Python, AWS, and system architecture, with a talent for leading teams, optimizing resources, and reducing operational costs. Demonstrated success in delivering high-quality software aligned with business objectives.

## Skills

- **Python** - Django, Flask & FastApi
- **JavaScript** - NodeJs
- **SQL Database** - MySQL & PostgreSQL
- **NoSQL Database** - MongoDB, ElasticSearch & Redis
- **Operating System** - Linux, Windows & macOS
- **Cloud Infrastructure & Containerization** - AWS, Docker & Kubernetes
- **Tools** - Git, Postman, Metabase, Bitbucket & Jira
- **Soft Skills** - Problem Solving, Leadership & Work Delegation

## Experience

- **Lead Software Developer** Tyroo 2020 - Present
  - Designed robust system architectures, executed tasks seamlessly, and conducted thorough code reviews to ensure high-quality, maintainable code.
  - Increased code coverage of unit tests to 40%, enhancing software reliability.
  - Achieved a 45% reduction in AWS costs through proactive monitoring and optimization.
  - Initiated a documentation process achieving 60% coverage, improving knowledge sharing and onboarding.
  - Solely managed the Product Information Management (PIM) service, processing 10 million products daily, and enhanced product catalog management service capacity from 600 MB to 10 GB using distributed processing, improving scalability.
  - Simplified the image creation service communication flow, enhancing performance by 10x and reducing costs by 30%.
  - Mentored a team of 5 developers, fostering expertise in scalable architecture and coding best practices, resulting in a 30% reduction in onboarding time and improved team performance.
  - Replaced the existing Kong gateway with a custom FastAPI-based gateway, integrating authentication, rate limiting, and traffic monitoring. Achieved a 25% improvement in API response times, enhanced security, and gained detailed traffic insights through custom metrics.
  - Delivered a dynamic video ads feature, transitioning from static image ads, resulting in a 3x improvement in ad performance and engagement rates, driving higher ROI for clients.
  - Enhanced system stability by separating staging and production environments in EKS clusters, improving the reliability of production releases and system stability.
- **Software Engineer** Triotech Solutions 2018 - 2020
  - Automated various OS level and application level tasks using shell and Python scripting, improving operational efficiency and reducing manual effort.
  - Automated reports generation from raw data using Python scripting, streamlining data processing and report generation workflows.
  - Developed scripts to increase system efficiency and reduce human intervention by up to 70%, optimizing system operations and reducing operational costs.

## Education

- **Dronacharya College of Engineering (MDU Rohtak)** 2018
  - Bachelor of Technology, Computer Science