

Utkarsh Jaiswal

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Experience

Talently, Software Engineer (Mumbai)

April 2025 - April 2025

- Developed and deployed a scalable email marketing infrastructure using Postfix and Dovecot, capable of reliably handling 10,000+ emails per day.
- Implemented candidate filtering functionality using OpenSearch to enhance search performance and accuracy.

WhiteCrow Research, Software Engineer (Mumbai)

January 2022 - March 2025

- Designed and implemented **RESTful APIs** tailored to meet user-specific requirements, demonstrating a deep understanding of client needs also communicated a comprehensive high-level design to the team lead aimed at enhancing system scalability.
- Developed and implemented robust **rate-limiting algorithm**, enhancing system security and performance by preventing abuse and ensuring optimal resource utilization. Also built the deployment script for AWS instance.
- Led the **optimization of Elasticsearch queries** and database operations, successfully scaling the system to handle a massive 4TB of JSON data.
- Engineered a MySQL event for efficient database management and implemented a seamless Google login flow, enhancing user authentication and system security. Demonstrated versatility in working with both relational databases and third-party authentication systems.

Fisdor (Tax2win), Software Engineer (Jaipur)

April 2021 - December 2021

- As a Back-end Engineer for Tax2win (Jaipur-based ITR platform), developed and secured taxation portal features using PHP CodeIgniter (implementing **CSRF** protection), integrated various APIs, and built ITR filing tools. Successfully integrated government projects like eMitra and CSC, enabling offline partner income tax filing.
- Engineered a sophisticated **Form 26AS parser** using Python for automated data extraction, streamlining the self-filing journey and leading to an **18% increase in ITR filings**. Developed RPA solutions with API integration, resulting in a **35% increase in revenue**.
- Implemented the core ERI client registration functionality, crucial for platform-based ITR filing. This directly drove revenue for the DIY product, supported the company's "tech-first" vision by reducing CA intervention, and increased in-house filing bandwidth by transitioning CAs to a proprietary dashboard.

Lademoda, CTO (Remote)

July 2020 - March 2021

- Led the development of a comprehensive e-commerce platform, overseeing both backend (Node.js) and frontend (Angular) development, along with MySQL database management. Demonstrated proficiency in creating a seamless end-to-end experience, from user interactions through emails, receipts, to successful product deliveries.
- Successfully integrated multiple payment providers, including Stripe and Razorpay, into the e-commerce platform. Implemented secure and efficient payment processing workflows, showcasing expertise in handling diverse payment gateways to enhance user convenience and expand payment options.
- Developed data parsing solutions, handling intricate data structures and ensuring seamless data flow within the system. Implemented a scheduler for periodic product scraping, optimizing product data updates. Ensured data privacy and anonymity by integrating a proxy server, demonstrating a commitment to data security and efficiency.

Bid And Win, Software Engineer (Contract) (Remote)

June 2019 - June 2021

- Developed and integrated secure payment gateway solutions (Stripe), ensuring PCI compliance and smooth checkout experiences.
- Implemented product filtering, search, and recommendation features using Elasticsearch to improve customer conversion rates.
- Built responsive, mobile-first UI components using modern frameworks Angular to enhance accessibility across devices.
- Set up CI/CD pipelines with GitHub Actions and Docker to streamline deployments and reduce downtime.
- Monitored and improved performance using tools like Lighthouse and Google Analytics, resulting in a improvement in page load times.

Education

7.47 / 10.0	B.Tech. in Computer science AND Engineering , Dr. A.P.J. Abdul Kalam Technical University Lucknow, India	2016-20
6 / 10	XII (Higher Secondary) , CBSE Prayagraj, India	2014-15
7.6 / 10	X (Senior Secondary) , CBSE Prayagraj, India	2012-13

Skills

Programming	Javascript, Typescript, Node.js, Python, C/C++, Scripting (Bash), LaTeX, Java, Ruby, Go
Software	Elasticsearch, Redis, Linux, Docker, Mysql, Git, AWS
Framework	Angular, Express.js, React, Django, Ruby On Rails, Springboot, Gin

Projects

Social Media Automation

January 2024 - Present

Personal Project

Mumbai, India

- Developed an **automated social media posting tool** for Instagram, Facebook, Pinterest, and Twitter, reducing manual effort and ensuring consistent content delivery
- Created a **Twitter bot** integrated with ChatGPT API for automated tweet generation, enhancing engagement and diversifying content.
- Implemented a **cron job** system for scheduled tasks and a custom image generator to improve visual content quality.