

# UTKARSH SHARMA

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## PROFESSIONAL EXPERIENCE

### ENGYNE (Techstars)

Senior Software Engineer

Remote

October 2024 - Present

- Conducted market research, understood product market fit, and crafted customer-centric MVP to attract initial customers.
- Implemented NextAuth flows, incorporated security middlewares and configured authentication with LinkedIn.
- Set up LinkedIn developer's portal and Engyne Application to make API calls on behalf of LinkedIn users.
- Automated on-click video clip generation and captioning using Remotion-DEV and Whisper AI models.

### OCLC ( Non-Profit )

Software Engineer Intern

Dublin, Ohio

May 2024 - Apr 2025

- Architected maintainable and extensible backend for Wskey lifecycle by defining feature requirements, integrating feedback loop & preparing dependencies and design documentation, ensuring 25% lesser computation time.
- Optimized legacy code implementations using Typescript, React.js, Vite, DynamoDB, Postgres, Spring Boot, Redux, and K8 for horizontal scaling, writing REST APIs, accelerating software performance by 30%.
- Designed and Developed scalable, distributed, low latency, and high throughput OAuth Web Application, managing roles, permissions, scopes, and actions harnessing K3s, Terraform, and Node.js, improving user experience by 30%.
- Migrated OAuth platform, introduced scalable, fault-tolerant distributed storage, index, and query system using Amazon DynamoDB and OpenSearch, hosted on AWS, ensuring higher data availability & retrieval speed by 20%.

### LTIMindtree ( ETL Product )

Senior Software Engineer

Bangalore, India

Jul 2022 - Jul 2023

- Implemented Salesforce CRM by streamlining data workflows, implementing custom APIs, and automating data synchronization processes, resulting in a 25% improvement in data processing time.
- Managed a team of 5, designed, developed Full-Stack for customer-off boarding by interviewing senior architects, and building features for databases, Kubernetes pods, and RabbitMQ, cutting DB management costs by \$100k.
- Spearheaded Selenium-based regression testing framework by designing test strategies, writing unit and functional tests, and evaluating automation frameworks, driving up test coverage and automation metrics by 40%.

### Tata Consultancy Services

DevOps Engineer Intern

Delhi, India

Jul 2020 - Oct 2020

- Executed and automated CI/CD pipelines with roll-back and version locking using Jenkins, Docker, and Kubernetes, lowering deployment time by 10%, ensuring seamless software updates serving over 1 million vital customers.
- Managed deployment activities by implementing agile methodologies, collaborating with development teams to employ infrastructure as code, enhancing system reliability by 45% and decreasing infrastructure costs by 40%.

### AdoptEV Technologies Pvt. Ltd. ( Startup )

Software Engineer

Delhi, India

Jan 2018 - Jul 2020

- Integrated payment gateway with UPI, Paytm, and Google Pay using Node.js and Stripe API, enabling digital payments for EV charging services, increasing payment efficiency, and boosting user adoption by 30%.
- Enhanced system efficiency by developing robust CI/CD pipelines, addressing critical build issues, automating deployment workflows, and creating custom integration scripts, resulting in 30% reduced build times.

## EDUCATION

### The Ohio State University

M.S. Computer Engineering - GTA - Data Management & Cloud, 300+ students

Columbus, Ohio

Graduating May 2025

- GPA: 4.0**
- Relevant Courses:** Operating Systems, Machine Learning, Computer Vision, Cloud Computing, Deep Neural Networks.

### Indian Institute Of Technology ( IIT ) Kanpur

M.S. Mechanical Engineering - Smart India Hackathon Finalist

Kanpur, India

Graduated May 2022

- GPA: 3.7**
- Relevant Courses:** Data Structures, High-Performance Computing, Computer Architecture, Object Oriented Programming.

## PROJECT & ENTREPRENEURSHIP

- TRACKAPP (FOUNDER)** **November 2024**  
Connected with job seekers, studied market fit, designed a custom algorithm to dynamically update resumes and cover letters (**in-place, with user's format**) according to job description and work experience on click and developed end-to-end Gen AI product to go with it. **Tech Stack:** NextJs, NextAuth, Google Gemini, PostgreSQL, Prisma, Fitz (Python), S3, Lambda

## SKILLS

**Languages:** Java, Python, JavaScript (ES5/ES6), Typescript, HTML, CSS, Swift, Golang, Bash  
**Frameworks:** Spring Boot, Apache Kafka, MongoDB, JUnit, GraphQL, Redis, MySQL, Azure, Mockito, NextJS  
**Tools:** Gitlab, Grafana, Linux, Jira, Elasticsearch, Databricks, GCP, Azure, NoSQL, RabbitMQ, JSON  
**Skills:** Micro-services, SCRUM, Kanban, MLOps, IoT, Containerization, Software Development Life cycle (SDLC)