

# Arnav Sharma *Software Developer Engineer*

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## EXPERIENCE

### Associate Software Developer Engineer

June 2024 – present | Gurugram, India

*Uolo EdTech*

*Tech Stack: React.js, Node.js, Express.js, MongoDB, PostgreSQL ElasticSearch, AWS SQS, Redis*

- Superheaded and implemented a scalable **PostgreSQL-Elasticsearch synchronization solution** with a custom schema, reducing API latency by **30%** and database load by **75%**.
- **Launched an ERP system** for the Success Team to automate training requests, notifications, and scheduling Google Canlander Events, reducing manual effort by **80%** and boosting training completion by **35%**.
- Designed and refactored a scalable, modular CMS with a tree-like structure, **streamlining content management** for **10K+** schools and **1M+** students.
- **Streamlined division setup data migration** across years, reducing annual migration time by **95%** for the Content Team across **10K+** schools.

### Software Developer Engineer Intern

March 2023 – April 2024 | Bengaluru, India

*Scaler Academy* 📄

*Tech Stack: Ruby on Rails, MySQL, Sidekiq, React.js, Redux, Redis*

- **Implemented Content Version Control** with AWS S3 bucket versioning, improving content quality by **15%** and Content & SEO team efficiency by **20%**.
- Enhanced user interaction and retention rates in articles by **15%** and **10%**, respectively, through the **introduction of the MCQs based test** feature "Topics QuizPop".
- **Ensured platform stability** for the Topics Team, achieving **95%** on-time issue resolution and maintaining a **4.8+/5.0** user satisfaction rating, boosting productivity and confidence.

## SKILLS

**Languages:** JavaScript, TypeScript, C++, C, Ruby, Python, HTML, CSS

**Frameworks:** ReactJS, NodeJS, ExpressJS, Ruby on Rails, Tailwind.css, Material-UI

**Database & Developer Tools:** MySQL, Postgres, MongoDB, ElasticSearch, Jenkins, Git, Firebase, Appsmith

## PROJECTS

### Pianifica: Project Mangement Dashboard 📄

*Technology Used: Next.js, Express.js, Node.js, PostgreSQL, Redux Toolkit, Prisma ORM, Tailwind.css*

- Robust Full-Stack Project Management application to streamline workflow and enhance team collaboration.
- **Integrated Redis caching** to store analytics response, reducing database load by **60%** and improving performance under high traffic.
- Designed and **implemented full-proof authentication** with email verification, session management, and encrypted password storage, ensuring **100% secure login**.
- **Engineered a global search system** to efficiently fetch data across multiple models, reducing search latency by **40%** through optimized indexing and query structuring.

## ACHIEVEMENTS

**Led the team victorious in a 2-day Hack-a-thon, surpassing 100 other teams**

**Earned recognition on the Dean's List, which celebrates the top 10% of college student**

## EDUCATION

### Bachelor of Technology (Computer Science Engineering)

August 2020 – June 2024 | CGPA: 8.63

*Lovely Professional University, Phagwara*