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 **40%** and database load by **30%**.
- **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 **30%** 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