Arnav Sharma *Software Developer Engineer*

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EXPERIENCE

Associate Software Developer Engineer   June 2024 – present | Gurgaon, India
Uolo EdTech
Tech Stack: React.js, Node.js, Express.js, MongoDB, PostgreSQL ElasticSearch, AWS SQS, Redis

- **Engineered PostgreSQL-Elasticsearch Synchronization:** Designed and implemented a robust, scalable solution to seamlessly synchronize PostgreSQL data with Elasticsearch during CRUD operations. Synchronizaion used custom Elasticsearch schema, resulting in a **30%** reduction in API latency and **75%** decrease in database load.
- **Optimized School Training Workflow**: Launched a new ERP system for the Success Team to request school training, auto-assign trainers, send notifications, and schedule Google Calendar invites, reducing manual effort by **80%** and increasing successful training completion by **35%**.
- **Executed Seamless Data Migration**: Streamlined the end-to-end migration of project setup data from the previous to the current year, resulting in a **95%** time reduction for the Content Team during annual migrations for **10k+** schools.

Software Developer Engineer Intern   March 2023 – April 2024 | Bangalore, India
Scaler Academy 🔗
Tech Stack: Ruby on Rails, MySQL, Sidekiq, React.js, Redux, Redis

- **Implemented Content Version Control:** Addressed the need for version control for articles by implementing AWS S3 bucket versioning from scratch. This initiative led to a **15%** improvement in content quality and improved the efficiency of the SEO team by **20%**.
- **Introduced MCQs Based Test "Topics QuizPop":** Enhanced user interaction and retention rates in articles by **15%** and **10%**, respectively, through the introduction of the MCQs based test feature "Topics QuizPop".
- **Provided On-call Support for the Topics Team:** Ensured smooth operation of the platform for the Topics Team over 12 months. Achieved a **95%** resolution on time and maintained a user satisfaction rating of **4.8+/5.0**, contributing to enhanced productivity and user 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 project management tool engineered to streamline team oversight of tasks, projects, and resources.
- Conceptualized and lanched workspaces, karbana boards, and interactive calendars to optimize task and project management workflows.
- Crafted secure user roles, permissions, and authentication systems, enhancing data security and role-based access control with integrated advanced search, filtering, and analytics dashboard, boosting project tracking and data insights.

Code-with-Companion 🔗
Technology Used: React.js, Socket.io, Tailwind.css

- Developed a website that enables users to share a URL and invite others to join for a video chat.
- The website features a built-in code editor, allowing users to modify each other's snippet and compile it in C, C++, Python, Java programming languages, with the option to save their work.
- Users can also draw out their ideas on a whiteboard and record the entire session, which can be stored in their downloads.

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