

# Syed M Ghani

Software Engineer | Ruby on Rails | React.js

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## Summary

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Software Engineer with 1 year 7 months of experience building production web applications in Ruby on Rails and React.js. Delivered full-stack features and microservices for K-12 ed-tech, college athletics recruiting, AI-powered PRM, and AI bookkeeping platforms. Strong in third-party integrations (Stripe, HubSpot, Moodle, Documenso), API design, and end-to-end ownership. Focus on clean code, testable features, and timely delivery in an agile environment. B.Sc. Computer Science, UET Lahore. Eager to take on larger ownership and contribute to open source.

## Experience

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### Software Engineer

Aug 2024 – Present (1 yr 7 mo)

*Blackstack Software Solutions, Lahore, Pakistan*

- **CinnaLab** ([cinnalab.io](https://cinnalab.io)) – Sole developer for the AI-powered Partner Relationship Management (PRM) product. Delivered the full application end-to-end: partner onboarding workflows, deal registration and lead scoring, performance dashboards, and e-learning/certification flows. Built with Rails and React; deployed and maintained in production.
- **CinnaLab** (integrations) – Integrated HubSpot (CRM sync, lead and deal management), Moodle (deployment, SSO, and training/certification modules), and Documenso (e-signatures and document workflows). Wrote and maintained API clients, webhooks, and background jobs for reliable sync across systems.
- **Intercollegiate** ([intercollegiate.co](https://intercollegiate.co)) – Full-stack development on the leading job board for college athletics. Implemented and refined search, filters (sport, division, conference, school, salary, job level), and listing flows serving 2,500+ active posts for DI/DII/DIII recruiters and candidates. Contributed to alerting, saved searches, and admin tooling.
- **Bullseye** ([bullseye.education](https://bullseye.education)) – Built and maintained features for the K-12 instructional support platform. Delivered customizable walkthroughs and coaching workflows, in-the-moment feedback capture (web and mobile), and real-time analytics for principals and district leaders to drive data-driven PD and teacher support.
- **Docyt** ([docyt.com](https://docyt.com)) – Worked on the microservices-based AI bookkeeping platform. Designed and built the Stripe payment microservice (subscriptions, billing, webhooks, idempotency) and integrated it with the core Docyt platform for accounting and hospitality product lines. Ensured secure handling of payment data and clear error reporting.
- **Monthend / Controllr** ([fly.controllr.app](https://fly.controllr.app)) – Contributed to the Controllr SaaS application: authentication (email and Google OAuth), session management, user onboarding flows, and product features supporting month-end and control workflows. Collaborated on API design and front-end components.

### Research and Development Intern

Jul 2023 – Oct 2023

*Al-Khawarizmi Institute of Computer Science (KICS), UET Lahore, Lahore*

- Conducted research and technical development in a leading CS research institute at UET Lahore.
- Contributed to prototyping, documentation, and tooling for ongoing research projects; collaborated

with faculty and graduate students.

## Web Development Intern *Apex Space, Lahore*

Jun 2023 – Aug 2023

- Developed and maintained web applications for client projects; implemented front-end and back-end features in collaboration with the team.
- Participated in code reviews, bug fixes, and deployment support.

## Education

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<b>Bachelor of Science, Computer Science</b> University of Engineering and Technology (UET), Lahore	2020 – 2024 GPA: 3.1
<i>Relevant coursework:</i> Data Structures and Algorithms, Database Systems, Software Engineering, Web Technologies, Operating Systems, Computer Networks.	

## Technical Skills

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**Core:** Ruby on Rails, React.js, JavaScript (ES6+), REST APIs, PostgreSQL, MySQL, Redis, SQL  
**Integrations and tools:** Stripe, HubSpot, Moodle, Documenso, Git, Linux, background jobs (Sidekiq), OAuth  
**Front-end:** TailwindCSS, Vite, React Query, React Router, Redux, responsive design  
**Testing and quality:** RSpec, Jest, manual and regression testing  
**Also:** Python, Node.js, microservices, third-party API design, Heroku

## Personal Projects

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### Final Year Project (B.Sc.): Urdu Signify

Addresses the communication gap for the deaf and hard-of-hearing community in Pakistan. Developed an application that converts Urdu text to Pakistan Sign Language (PSL) using deep learning (GANs) and NLP to enhance accessibility and communication through technology.

### Online Exam System (Ruby on Rails) GitHub

Full-stack web application for creating, approving, and taking exams. Teachers create exams; admins approve; students take active exams; teachers review answers and assign marks. Includes role-based access (admin, teacher, student) and exam state management.

### WhatsApp Analyzer (Python) GitHub

Tool that parses WhatsApp chat exports (group and direct) and produces analytics: message frequency, active participants, word clouds, and time-based trends. Built with Python, pandas, and visualization libraries.

### Olympics Analysis (Python) GitHub

Data analysis and visualization project on Olympics historical datasets. Explores medals, participation, and trends by country and sport using pandas, matplotlib, and similar tools.

References and portfolio available on request. LeetCode.