

# MUHAMMAD SAAD AZAM

Email ◇ GitHub ◇ LinkedIn ◇ Website

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## Lahore University of Management Sciences

Bachelor of Science in Computer Science (Honors)

Lahore, Punjab

September 2018 - July 2022

## Government College University

Faculty of Science, Pre-Engineering

Lahore, Punjab

September 2016 - August 2018

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## WORK EXPERIENCE

### Bankom.co

Senior Software Engineer

January 2025 – Present

- Led complete rebuild and release of the project to production.
- Refactored frontend and backend; implemented lazy loading, background jobs, and improved test coverage.

### RStack Labs

Senior Software Engineer

September 2024 – December 2024

- Contributed to Enterprise-level projects
- Delivered weekly scrum tasks
- Resolved critical bugs and improved team velocity in a fast-paced startup environment.

### Acklib

Full-Stack Developer

November 2022 – September 2024

- Developed Marketing site for the firm
- Learned Ruby on Rails and numerous other technologies like Vue and React, and contributed to numerous projects

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## PROJECTS

### Oppy.pro

Acklib

Software Engineer

February 2023 - September 2023

- Revamped microservices system using React, TypeScript, and Rails (Grape); added linters and tests.
- Built GPT-4 based scraping/summarizing/image analysis features; integrated Twilio automations.
- Handled deployment and played a key role in product launch.

### Winthroe Intelligence (WinAD)

Acklib

Software Engineer

September 2023 – February 2024

- Migrated app from jQuery/Coffeescript to Hotwire (Stimulus + Turbo); modernized UI stack.
- Reduced OpenAI costs via Postgres FTS and fuzzy-matching for customer queries.
- Built new statistics module and helped upgrade to latest Rails.

### Commercial Truck Quotes (CTQ)

Acklib

Software Engineer

February 2024 – September 2024

- Improved Vue 2 + Rails app linking truckers with insurance agents.
- Fixed call issues with Twilio, upgraded Node.js from 12 to 18, and optimized core performance.
- Expanded business logic to support other verticals like restaurants and manufacturing.

### Turf

Remote

Software Engineer

September 2023 - December 2024

- Built the entire project with Ruby on Rails, including provider onboarding, Stripe integration, and data scraping pipelines.

### LoopOS

RStack Labs

Software Engineer

September 2024 - December 2024

- Fixed critical bugs. Participated in weekly scrums and reported accordingly
- Wrote scripts for production maintenance

## **BizAccelerator**

Software Engineer

Bankom.co

*September 2024 - Present*

- Took the entire project to production
- Revamped the UI/UX, improved the performance of the application, fixed crucial bugs
- Implemented modules and new features for the project

## **Technical Mentoring and Interviews**

Mentor & Interviewer

- Conducted DSA and OOP interviews for early-career engineers.
- Mentored juniors in Ruby on Rails and the Hotwire ecosystem.

## **RELEVANT COURSEWORK**

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Discrete Mathematics

Fundamentals of Computer Systems

Artificial Intelligence

Operating Systems

Machine Learning

Deep Learning

Software Engineering

Human Computer Interaction

Computer Graphics

Network-Centric Computing

Databases

Principles and Techniques of Data Science

Computer Networks: Principles and Practices

Computer Vision Fundamentals