

Ruvin Rodrigues

Full-Stack Software Engineer

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SUMMARY

Full-stack software engineer with hands-on experience building enterprise systems at Paycom that serve millions of users. Built a sweep line scheduling system, a microservice handling ~5% of total company traffic, and a search pipeline across millions of candidates. Ranked **Top 5 of 1,000+ engineers** company-wide. IEEE-published. MS Computer Science, UT Arlington (GPA 3.9).

SKILLS

Languages	TypeScript, PHP, C#, Python, HTML/CSS
Frontend/Mobile	React, Flutter, Android (Java)
Backend & APIs	Node.js, REST, GraphQL, Microsoft & Google APIs, Microservices
Data & Infra	MySQL, Elasticsearch, Firebase, MongoDB, CI/CD, Git

EXPERIENCE

Software Developer · Grapevine, TX May 2024 — Present

Paycom

- Architected **Paycom Career Portal** as a standalone microservice serving millions of applicants across tens of thousands of enterprise clients (~5% of total company traffic) — cut API response times from 1–2s to **30–50ms**; integrated Google Maps for location-aware job search and hCaptcha for bot validation.
- Built a custom **MySQL → Elasticsearch sync pipeline** enabling recruiters to full-text search across millions of candidates and applications — eliminating query timeouts and reducing search from **minutes to seconds**.
- Designed **interview self-scheduling** using a **sweep line algorithm ($O(n \log n)$)** to compute availability across multiple interviewers and timezones, synced via Microsoft & Google APIs with automatic PTO and conflict resolution.
- Built a **natural language data query interface** for **iWant**, Paycom's AI hiring product, using GraphQL — enabling non-technical users to surface hiring insights on the go without system knowledge.

Software Development Intern · Grapevine, TX May 2023 — Aug 2023

Paycom

- Built a company-wide **employee referral system** from scratch (PHP + MySQL), eliminating manual HR errors and streamlining the referral-to-hire pipeline.
- Converted to full-time Software Developer offer based on performance.

Flutter Developer · Mumbai, India Nov 2020 — Oct 2021

YWCA of Bombay

- Built and shipped an event management app (Flutter + Firebase) for a women's empowerment NGO; drove a **40% increase in event registrations** within months of launch.

EDUCATION

MS — Computer Science · Arlington, TX Aug 2022 — May 2024

University of Texas at Arlington · GPA: 3.9 / 4.0

- Algorithms, Distributed Systems, ML, Cloud Computing · Best UI/UX — HackUTA 2023

BE — Computer Engineering · Mumbai, India Aug 2018 — May 2022

Don Bosco Institute of Technology · CGPA: 8.0 / 10.0

- Founded DBIT SevaTech (free tech for NGOs) · Technical Head, ACM-DBIT · IEEE-published, GCAT 2022

PROJECTS

Zenscape Unity · C# · Android Ambient runner game built in Unity and published to Google Play (500+ downloads). Won **Best Game UI** at Teknack 2021 competing against 40+ student teams.

ASTA — IEEE Publication Pipeline system that summarizes a PDF into Hindi and converts it to audio, using ML, NLP, and RNN. Published at the **IEEE 3rd Global Conference for Advancement in Technology (GCAT) 2022**.
Python · NLP · ML · RNN

AWARDS, PUBLICATION & RECOGNITION

Top 5 Developer — Paycom (2024–2025) Ranked top 5 of 1,000+ engineers company-wide, multiple times.

IEEE Publication — GCAT 2022 "Audio Synthesis, Translation & Auto-Summarization (ASTA)" — IEEE 3rd Global Conference for Advancement in Technology.

Codeathon MVP — Paycom 2023 Named Most Valuable Player at Paycom's internal engineering Codeathon.

Best UI/UX — HackUTA 2023 Won Best UI/UX at UT Arlington's flagship hackathon.

ACM Chapter Excellence — Global Outstanding ACM Chapter Website — 2022–23 ACM Student Chapter Excellence Awards (global).