

# TANISH GARG

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## EXPERIENCE

### Full Stack Developer (Part-time)

Jan 2025 – Present

*InfluxData*

*Remote*

- Developed Licensing APIs for InfluxDB Enterprise 3.0 to enable secure license purchases via Zuora, asynchronously provision customer accounts using Salesforce APIs, and enforce email ownership through email verification.
- Researched and implemented conditional transpilation for the customer-facing Admin UI in React to maximize code re-usability, minimize bundle sizes by 25% and provide a well tailored user experience across InfluxData's product suite.
- Migrated 3 gRPC and REST API endpoints from Go to Rust, contributing 3,000+ lines of code across 10 GitHub pull requests, led 2 tech discussions, and shared knowledge through team retros and internal presentations.

### Software Engineering Intern

May 2024 – Aug 2024

*InfluxData*

*Remote*

- Introduced 12 REST API endpoints in Rust to InfluxData's customer-facing and internal IAM services. Supported the migration of 5 gRPC endpoints from Go to Rust, while writing integration tests for each endpoint to ensure compatibility.
- Created and merged over 75 pull requests (15,000+ lines of code), reviewed code in the agile work environment, authored 5 tech discussions, and collaborated daily in team stand-ups and retros for 14 weeks.

### Software Engineering Contractor

Aug 2023 – Dec 2024

*RealManage*

*Plano, TX*

- Developed 12 automatized metric reports and employee analysis programs with VBA and PowerBI for upper management.
- Automated over 40 hours of accounting tasks by collaborating with cross-functional teams (AP, AR, & BI) and developed 4 on-demand platform solutions that optimized budgeting and enhanced business report visualizations.

### Software Engineering Intern

May 2023 – Aug 2023

*RealManage*

*Plano, TX*

- Automated Reconciliation processes using Excel VBA, saving over 300 hours of manual effort by automatically matching Bank EFT auto-payments to Vendor Invoices and generating missing invoice documents for unmatched payments.
- Designed and documented a system to automatically update and notify current and prospective Insurance Customers, saving 32 man-hours monthly for the Insurance Department. Implemented automations saved over \$30,000/year in operating costs.

## PROJECTS

### Autograder: Automated Grading Tool for University Coding Assignments | *Go, React, Postgres*

- Developed and maintain an open-source, configurable Autograder for grading coding assignments, contributing 5,000+ LoC to build a scalable full-stack application with a Go back-end and React front-end, while enforcing 3 tier architecture and CI.

### Pharma-Bot: Simulated Self-Navigating Robot | *ROS, Python, C++, AWS (Lambda, EC2, Lightsail)*

- Led a team of four in developing Pharma-Bot, an autonomous robot built to navigate a dynamic, obstacle-filled simulated hospital environment, earning distinction as *the fastest robot* (completed course in 19 minutes) at the AWS Hackathon.

## ACTIVITIES & LEADERSHIP

**President, Association for Computing Machinery (ACM)** University of Dallas

Aug 2023 - Present

**Team Leader:** Amazon Web Services Build-On ASEAN, Engineering Innovation Challenge, HackDFW, DataFest, CyberForce

## HONORS & AWARDS

**University of Dallas:** Phi Beta Kappa Member, Distinction in Comprehensive Examinations, Trustee Scholarship, Dean's List

**Hackathons:** Amazon Web Services (AWS) International Hackathon Champions, Engineering Innovation Challenge Champions

## EDUCATION

**University of Dallas (Irving, TX)**

May 2025

Bachelor's of Science in Computer Science

Departmental GPA: 4.0

**Relevant Coursework:** Operating Systems, Concurrent Programming, Compilers, Data Structures, Algorithms, Communications

## TECHNICAL SKILLS

**Proficient:** Rust, C, Python, Java, Go, C++, C#, React, Git, Linux, Docker, JavaScript, TypeScript, PostgreSQL, MySQL

**Experienced:** Amazon Web Services (Lambda, EC2, S3), Google Cloud, Oracle Cloud, Kubernetes, MongoDB, Node.js, Bash, GitHub Actions, CircleCI