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, promoting sales by 30%.
- 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