

Rajat Mehndiratta

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Skills	Tools: Python, OCaml, Java, Go, TypeScript, git, Postgres, Mongo, L ^A T _E X	
Experience	Member of Technical Staff July 2025 - present Fira Health > RCM > Platform Solving problems in home health.	
	Software Engineer April 2023 - October 2024 Jane Street Capital > Options Desk > Proprietary Trading System Development Collaborated with traders in fast-paced environment to provide liquidity across multiple markets. + Collaborated on greenfield expansion into new index and equity options. + Led infrastructure migration and quality of life efforts with impact across multiple trading systems. + Owned several proprietary functionalities and built new model training tooling.	
	Software Engineer August 2021 - February 2023 Plaid > Internal Platform > Core Services > Abstractions Prioritized correctness, reliability, and velocity in data modeling and storage for core systems in Go. + Owned project to resolve scaling limit, extending company storage runway from 2022Q1 to late 2020's. + Built verification to help detect and manage 100MM's of obsolete user connections, mitigating regulatory and security risk. + Led component efforts for infrastructure cost reduction (\$45k/mo) and incident response speedup.	
	Software Engineer June 2019 - July 2021 Google > Tech Infra > Unified Fulfillment Optimization > Fleet Transformation Enhanced Java backend for mixed-integer programming solver microservice to plan datacenters, focused on reducing lead time variance and increasing granularity and touchlessness of planning. + Launched recurring automated jobs to detect and re-plan no-longer-viable hardware deployments. + Designed and delivered API to plan with counterfactuals, increasing on-time fulfillment.	
	Software Development Engineer Intern May - August 2018 Amazon > Supply Chain Optimization Technologies > Topline Forecasting Investigated and demonstrated serverless solutions to reduce forecasting compute costs by 10-100x. + Built proof-of-concept serverless forecasting workflow orchestrator.	
Education	Software Development Engineer Intern May - August 2017 Amazon > Worldwide Operations > Robotics Validated deep reinforcement learning for visual navigation in sidewalk delivery (Amazon Scout). + Drove effort to generate training data from realistic commercial tools (GTA 5).	
	Carnegie Mellon University May 2019 Bachelor of Science, Electrical and Computer Engineering Coursework: Advanced Mobile Robotics (16-865), Advanced Digital Signal Processing (18-792), Machine Learning (10-601), Rapid Prototyping of Computer Systems (18-540), Computer Architecture (18-447), Natural Language Processing (11-411), Neural Technology (18-412), Logic Design and Verification (18-341) Involvements: hackathons (competitor, mentor, organizer, and sponsor), Mock Trial (Captain), SDC Buggy (carbon-fiber gravity racing; Mechanic), End The Rain (umbrella dispensers; Co-Founder, Tech Lead)	
Projects	SCOT-T Lunar Rover (16-865 / CMU+Astrobotic Lunar X Prize Entry) January - May 2016 Engineer on Communications, Hardware, and UI Teams Worked on development and testing of UDP-based communications for novel 4.5kg Cube Rover standard.	
	FifthSense (PennApps Fall 2015 Grand Prize) September 6-8, 2015 Hackathon Competitor Built full-duplex handheld design to allow blind users to access smartphones while moving around.	