

Mani Singh Japra

Senior Software Platform Engineer
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Summary

Senior Software Platform Engineer at Muon Space, with a Bachelor's in Computer Science from Georgia Tech and over 10 years of experience spanning startups to large enterprises. Expert in building resilient cloud infrastructure and developer platforms with a strong focus on space systems, DevOps, geospatial technologies, and end-to-end platform engineering. Proven ability to align technical foundations with mission-critical objectives and deliver scalable, high-performance systems that accelerate engineering teams — to low Earth orbit and beyond.

Education

Georgia Institute of Technology Bachelor of Science in Computer Science Aug 2014 - May 2017

- Graduated with Honors | Thread Focus: Devices & People | Atlanta, GA
- **Relevant coursework:** Data Structures & Algorithms, Object-Oriented Design, Systems & Networking, Computer Organization & Architecture, UI Design, Probability & Statistics, Digital Design Lab, Applied Combinatorics

Gwinnett School of Mathematics, Science, and Technology High School Diploma (1st Quintile) Aug 2010 - May 2014

- #3 in National HS Rankings (U.S. News) | #1 in Georgia High Schools (U.S. News) | Lawrenceville, GA

Work Experience

Senior Software Platform Engineer Muon Space, Inc. Jan 2026 - Present

- Core member of the Software Platform team, designing and operating the cloud infrastructure, developer tooling, data, observability, and AI platforms that power an end-to-end satellite constellation delivering mission-critical Earth observation data from low Earth orbit.
- **Core technologies:** Terraform/Terragrunt, AWS (EKS, EC2, VPC, IAM, GovCloud), GCP Vertex AI (Claude), K8s, Helm, Bazel, Grafana/Prometheus/Loki, InfluxDB, Cloudflare Zero Trust, GitHub Enterprise, Okta/SSO, Artifactory, Flyte/Union, Python

Founder Japra Ventures, LLC (d/b/a JAPRA.dev) Mar 2017 - Present

- Full-stack development catered towards SMB clients looking to improve their digital presence and building technical solutions to help improve efficiencies

Staff Software Engineer Pachama, Inc. Oct 2022 - Nov 2025

- Core technical leader on the platform team, architecting scalable systems and geospatial data visualizations across product, science, and sales. Mentored engineers and championed best practices in system design, testing, and deployment.
- **Core technologies:** React/TypeScript (Next.js), Python (FastAPI), PostgreSQL, GHA, K8s/Docker, Pytest/Jest, Heroku, GCS, Datadog, Strawberry GraphQL, Storybook, Nx, next-intl, OpenAI/Gemini
- **Third-party integrations:** Stripe, HubSpot, Google SSO/Firebase, Form.io, Airbnb/Visx, AG Grid, Ark UI/Chakra UI, PandaCSS, Mapbox, deck.gl/Turf.js/D3.js

Software Engineer Perficient, Inc. (Nasdaq: PRFT) May 2017 - Dec 2017

- Technical lead on an internal application used org-wide — managing sprints, delegating to engineers, unblocking issues, overseeing deployments, and driving roadmap and code review cycles.

Research Assistant Georgia Institute of Technology (Atlanta, GA) Nov 2016 - June 2017

- Caroline Foster, Adam Hayward, Slava Kucheryavykh, Angela Vujic, Maninder Japra, Shivani Negi, and Lauren Klein. "[The Shape of History: Reimagining Nineteenth-Century Data Visualization](#)." Digital Humanities 2017. Association of Digital Humanities Organizations, 2017.

Teaching Assistant Georgia Institute of Technology (Atlanta, GA) Aug 2016 - Dec 2016

- Assisted Professor Tucker Balch in teaching CS 3651: Prototyping Intelligent Appliances

Intern Cisco Systems, Inc. (Nasdaq: CSCO) Aug 2013 - April 2014

Intern StartUp Riot (Atlanta, GA) Summer of 2012