Mani Singh Japra

Staff Software Engineer
Atlanta, GA, USA

Email		mani@japra.dev
Website		www.manijapra.com
LinkedIn		linkedin.com/in/manijapra

Summary

Staff Software Engineer with a Bachelor's in Computer Science from Georgia Tech and over 8 years of experience spanning startups to large enterprises. Expert in developing intuitive, high-performance web applications with a strong focus on climate technologies, UX/UI design, geospatial visualizations, modern web technologies, and end-to-end development. Proven ability to align technical solutions with business objectives and deliver user-centric, scientific digital products that boost trust, engagement, and efficiency.

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:** Java, C, Data structures & algorithms, Object-oriented design, Assembly language programming, Computer organization & architecture, Software engineering process management, Systems and networking, User interface design, Applied combinatorics, Probability & statistics, Digital design lab.

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

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

- Core technical leader on the platform team, driving team rituals and the architecture and evolution of Pachama's platform offerings. Partnered across product, sales, science, and geospatial teams to deliver scalable systems and intuitive visualizations of geospatial data in customer-facing web applications. Mentored engineers and guided best practices in system design, testing, and deployment to ensure reliability and long-term maintainability.
- **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

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: UX/UI mockups, Performant Next.js web apps, Async microservices, Scalable cloud deployment architectures, CMS integrations, User authentication, API gateways, Web-scraping, etc.

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

- Technical lead on internal application used by all members of organization: Identified feature lists, created sprints, tasks and milestones, delegated team of software engineers and assisted in resolving roadblocks, handled deployment of new versions, worked with key stakeholders to identify bugs and roadmaps, and performed code reviews.
- Software engineer on numerous projects for enterprise clients: Task completion, Bug resolution, QA testing, Code refactoring, Feature completion, and Deployment handling.

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