Mani Singh Japra

Senior Software Engineer
Atlanta, GA, USA

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Summary

Senior 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 UX/UI design, modern web technologies, and end-to-end development. Proven ability to align technical solutions with business objectives and deliver user-centric digital products that boost engagement and efficiency.

Education

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

- Graduated with Honors | Atlanta, GA | Thread Focus: Devices & People
- 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 Rankings (U.S. News) | #1 in Georgia High Schools (U.S. News) | Lawrenceville, GA

Work Experience

Senior Software Engineer
Pachama, Inc. — October 2022 - Present

- Core member of the platform team and responsible for the development/maintenance of the source platform, microservices providing self-service and managed execution of carbon credit trades, and surfacing geospatial data visuals in web apps
- Technologies: React/Typescript, Next.JS, Vercel, Python/FastAPI, Buildkite, Github, PostgreSQL, K8s, Docker, Garden (Ephemeral), Pytest, Jest, Cypress, Stripe, Hubspot, GCS, Google SSO, Firebase, DataDog, Formio, GraphQL, Strawberry, Visx, AGGrid, ChakraUI

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

- Founded software development consulting firm catered towards SMB clients looking to improve their digital presence
- Full-stack developer: Designed & built UX/UI mockups, performant Next.JS web apps, async microservices, scalable cloud deployment architectures, CMS integrations, SSR, User Authentication, api gateways, and web-scraping projects.

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 Course CS 3651 (Prototyping Intelligent Appliances — Hands-on course teaching the fundamentals of electronics of electrical and mechanical prototyping).

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

- Designed and developed: Microsoft Excel macros to sort/filter/process large datasets, pivot tables to digest raw data entries to promote data-driven decisions.

Intern
StartUp Riot (Atlanta, GA) — Summer of 2012

- Designed and developed: Mozilla Firefox & Google Chrome browser extension to help lower down the National debt through Amazon affiliates integrations.