

Mani Singh Japra

Senior Software Engineer
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Summary

Software Engineer with a Bachelor's in Computer Science from Georgia Institute of Technology and 8+ years of experience across startups and enterprises. Skilled in building intuitive, high-performance web applications with a strong emphasis on UX/UI design, modern web technologies, and full development lifecycles. Adept at aligning technical solutions with business goals, and delivering user-centric digital products that drive engagement and efficiency.

Education

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

- Threads: Devices and People | Graduated with honors | Atlanta, GA
- Relevant Coursework: Java programming, 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

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

Work Experience

Senior Software Engineer Pachama, Inc. October 2022 - Present

- Core member of the web stack team and responsible for the development/maintenance of the RFP platform, microservices providing self-service and managed execution of carbon credit trades, and surfacing geospatial data visuals in web apps
- Technologies used: React, Next.JS, Vercel, Python, Buildkite, Github, SQL, Kubernetes, Docker, Garden (Ephemeral), Pytest, Jest, Cypress, Stripe, Hubspot, GCS, Google SSO, Firebase, DataDog, and more

Founder Japra Ventures, LLC (d/b/a JAPRA.dev) March 2019 - 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 React/Next.js web apps, asynchronous microservices (Node.js), scalable cloud deployment architectures, CMS integrations, SSR, User Authentication, and web-scraping projects.

Full-Stack Developer Freelance (Atlanta, GA) May 2017 - March 2019

- Full-stack developer: Designed & built UX/UI mockups, asynchronous microservices, scalable cloud deployment architectures, CMS integrations, websites using various template engines, User Authentication, 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

- Assisted Professor Lauren Klein in the design, development, coding, and manufacture of a unique touch interface using microcontrollers which drove over 900 individually-addressed RGB LEDs to simulate historical events.
- 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.

Tech Sales Associate Office Depot (Snellville, GA) July 2013 - Jan 2015

- Assisted in: electronic device sales (e.g. computers, peripherals, software, etc.), malware/virus removal, customer support, software installations.

Skills

Programming & Frameworks:

Python, FastAPI, GraphQL, Django, Node.js, Express.js, C#, Java, .NET MVC, C, Objective-C, Swift

Frontend & UI:

React, TypeScript, Next.js (SSG/SSR/ISR), Stripe, Webpack, Redux, Vercel, Figma, Storybook, Javascript, jQuery, HTML/CSS

Backend & Databases:

PostgreSQL, MongoDB, SQL, Monolith (Dependency Injection), Microservices (gRPC/Apache Kafka), User Authentication (MFA/OAuth)

DevOps & Cloud:

Docker, Dokku, AWS, GCP, Firebase, Azure, CDNs, CI/CD, Netlify, Vercel, Github Actions, Buildkite, Kubernetes, Jenkins, Octopus Deploy, TeamCity, TravisCI, CircleCI

Embedded Systems:

Arduino, Microcontrollers, Raspberry Pi, Teensy, Adafruit

Development Practices:

Agile/SCRUM, Kanban, Git Version Control (GitHub/Bitbucket), UX/UI Prototyping, Responsive/Adaptive Design