

Jugal Joshi

Helena, MT

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Skills

- Languages: **Javascript**, C++, **Java**, Python, Kotlin
- Databases: **PostgreSQL**, SQL, **MongoDB**, DynamoDB
- Cloud & DevOps: **AWS**, GCP, Firebase, Docker, Kubernetes, Jenkins
- Testing: **JUnit**, Mockito, Selenium, **Jest**, Cypress
- Web Technologies: **React**, Angular, jQuery, **Node.JS**, Express.JS, **REST**, GraphQL, **Spring**

Experience **Software Engineer**

Aug 2021 - Present

Social Finance (SoFi)

Helena, MT

- Working on personal-loans team as a full-stack software engineer creating modern financial products & services
- Developed highly available micro-services (**Java**, **Spring**) for internal core-services resulting in 12% optimized calls
- Engineered frontend (**React**) and backend (**Java**, **Kotlin**) for SoFi's fee-based lending partnership with CRB
- Improving on-call developer efficiency by creating automated workflows & no-touch orchestration with **Kafka**
- Collaborate on engineering concepts and efforts with outside stakeholders in marketing, ops, business, and more

Software Engineer Intern

Jun 2020 - Sep 2020

Pinwheel

Austin, TX

- Worked as a full-stack engineering intern to develop kids' first smartphone ecosystem & operating system
- Architected and implemented new backend infrastructure using **NodeJS** leading to 40% efficient **API** calls
- Migrated from **AWS** lambda services to a custom middleware resulting in a highly scalable architecture
- Revamped payment & checkout components (**React**) to streamline payment process with 25% faster checkout times
- Reworked automated-testing mechanism with **Cypress**, resulting in 60% reduction in testing times

Education **Northeastern University**

Sep 2019 - May 2021

Master of Science (MS) - Computer Science

Boston, MA

- Coursework: Software Engineering | Algorithms | Database Management Systems | Software Vulnerability & Security
- **Graduate Teaching Assistant** for CS 5610 Web Development (Grad Course)

SRM University

Jul 2014 - May 2018

Bachelor of Technology (B.Tech) - Computer Science

Chennai, India

- Published and presented research paper in Big Data & ML domain at ICRDEST-2018 [ISSN: 1314-3395](https://doi.org/10.1109/ICRDEST-2018.2018.00011)

Projects

[TravelOPort](#)

- Comprehensive travel portal developed from scratch with MERN (**MongoDB**, **ExpressJS**, **React**, **NodeJS**) stack
- Supports multitiered user privileges along with unique user-based cookie identification to deter XSRF attacks

[2D Game Engine Platformer](#)

- Designed and developed a 2D Game Engine to enable development of 2D games in an effortless manner
- Developed a side-scroller game off the 2D Game Engine with a dedicated Resource Manager and [Level Editor](#)
- Tech stack: **C++17**, **Javascript**, **HTML**, **CSS**

[Collaborative Virtual Whiteboard](#)

- A cross-platform, decentralized **C++** based Whiteboard which enables multiple users to collaborate in real-time
- Supports multiple pen sizes and colors along with undo, redo & clear commands over UDP network protocol

Leadership

- Red Hat Campus Ambassador - Northeastern University
- Vice President of Web Technologies - AI Skunkworks at Northeastern University