

# SWAPNIL SHARMA

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Dynamic full-stack Software Engineer and System Architect experienced in Golang, NodeJS, ReactJS, Python, and Agile methodologies. Known for innovation, and customer-centric solutions. Advocate for accessibility and tech for good. Skilled in leading cross-functional collaborations, achieving objectives, and optimizing software. Active community organizer, conference attendee, and open-source contributor.

## Work Experience

**Senior Software Engineer I** Aug 2022 – Current  
**CaratLane** ( A Titan Company ) **Bengaluru, Karnataka**

- Wrote [@caratlane/sqc](#) opensource package & optimized DB queries and overall architecture to accommodate increased traffic.
- Designed and implemented** a centralized DND (Do Not Disturb) management system, consolidating customer communication preferences from multiple internal databases and vendor systems into a single location, and created a customer interface for CaratLane to ensure seamless integration and efficient handling of preferences.
- Designed and implemented an email unsubscribe system, incorporating hashed tokens for secure unsubscribe links, custom headers for managing email preferences, and an API-driven process for updating user opt-in statuses in the database, with distinct handling for promotional and transactional emails.
- Led the team** in architecting and implementing a pricing engine for calculating prices of jewelry products and barcodes, efficiently managing multiple components such as metals and stones. Designed and optimized the system architecture for syncing data from the ERP system, leading to a significant reduction in execution time.
- Developed a worker pool package in Go**, optimizing cross-account inventory migration and reducing execution time from 13 minutes to just 1 minute.
- Optimized the product image architecture** by implementing a serverless solution using AWS S3 and Lambda, reducing storage costs by 80% and decreasing image upload time by 20%.
- Also worked on concurrency: goroutines and channels for library support. Extensively worked with godoc.
- Worked with ORM's like Sequelize and GORM to perform DB operations using Node and Golang respectively.
- Created stage timeline in Web UI client using JavaScript and React and implemented stage deletion in CLI using Golang. Used Go to run the Docker Command Line Interface tools.
- Worked on Setting up scalability for application servers using command line interface (CLI) and administering DNS system in AWS.
- Optimized the Go code using goroutines. Experience building Listener on Rabbit MQ erlang.
- Implementing the routing technique in Golang using Gorilla mux as request router and dispatcher for matching incoming requests to their respective handler.

**Software Engineer** Nov 2020 – July 2022  
**Accenture Pune, Maharashtra**

- Server and Database Management:** Administered and maintained the agency's servers and Virtual Private Cloud (VPC) infrastructure, ensuring smooth and reliable operations. Managed databases, including configuration, optimization, and security, to support application performance and data integrity.
- Workflow Optimization:** Enhanced the efficiency of front-end development tasks by implementing best practices and streamlining workflows. Contributed to both private projects and open-source initiatives to improve tools, libraries, and processes used by the development team.
- Automation Tools Development:** Created and deployed automation tools aimed at reducing project costs and boosting overall efficiency. These tools helped in automating repetitive tasks, reducing manual effort, and speeding up development cycles.
- Embedded Device Solutions:** Conducted research and identified optimal solutions for web applications designed for embedded devices. Developed REST APIs to facilitate communication and integration, ensuring that web apps performed effectively within the constraints of embedded environments.
- Deployed the applications in Linux servers using deployment scripts.
- Developed and Deployed applications on Application Servers like Nginx.
- Developed the backend using Java Spring, MySQL, RabbitMQ, HAProxy, and Nginx.

## Technical Skills

**Programming Languages:** GoLang, JavaScript/ES6/ES2017, Typescript, Java SE, WebGL, XHTML, XML  
**Frameworks:** ReactJS, Redux, Gin, XORM, AJAX, Spring ( Boot, REST, MVC, JPA ), webpack, Grunt  
**Hands-on Experience:** Git, npm, AWS (Compute, Storage, Network & Content Delivery), GitHub, Netlify, Postman, SOAP UI, Dynatrace, Splunk  
Experience with various database engine technologies such as **Oracle, My SQL, MongoDB**  
Experience developing wireframes, UX flows, mock-ups, and prototypes using Adobe XD

## Certifications

JavaScript Certification ( <b>HackerRank</b> )	Accenture Certified Spring Boot Developer
MySQL Intermediate Certification ( <b>HackerRank</b> )	Accenture Java SE Certificate
Accenture Certified MERN Stack Developer	

## Education

<b>Bachelor of Engineering</b> Jul 2020	72.2% (7.6 CGPA)
Madhav Institute of Technology and Science Gwalior	

<b>10+2</b> Apr 2016	84%
Chavara Vidyapeeth Narsinghpur	
Physics, Chemistry, Mathematics, Computer Science (Language C++)	