Shajan Jacob

Software Engineer

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SKILLS

Node.js, JavaScript, TypeScript, NestJS, Express.js, Deno, REST API, Microservices, Event-driven Architecture, Real-time Applications, Google Cloud Platform (Pub/Sub, Storage), AWS (Lambda, EC2, API Gateway, S3), Firebase Functions, Docker, Kubernetes, Nginx, MongoDB, PostgreSQL, MySQL, Redis, Elasticsearch, gRPC, Kafka, FHIR, JWT, Auth0, Stripe

EXPERIENCE

Sorice Solutions, Kochi - *Team Lead*

Feb 2020 - PRESENT

- Designed and implemented core system architectures, leading the migration of legacy applications to modern frameworks and establishing standardized architecture practices to enhance scalability and maintainability.
- Monitored and optimized high-throughput APIs, improving response times, system efficiency, and overall performance.
- Identified and resolved security vulnerabilities in internal and external applications by providing actionable fixes and mitigations.
- Managed application/package releases and deployments across multiple environments and client instances.
- Contributed to AI integration efforts by researching and implementing relevant tools and technologies.
- Developed internal tools and automation scripts to streamline routine tasks, enhance productivity, and support cross-functional development processes.
- Conducted thorough merge request reviews to maintain high coding standards and mentored junior developers to improve team capability.
- Played a key role in the hiring process, interviewing 300+ candidates and improving feedback and tracking workflows.
- Contributed to end-to-end project execution, including planning, estimation, development, delivery, and cross-team collaboration.

Cubet, Kochi - *Software Engineer*

Oct 2017 - Feb 2020

- Architected and developed custom APIs, microservices, and serverless solutions (AWS Lambda, Firebase FaaS) for core projects.
- Published the ffmpeg-sdk NPM package (Node.js wrapper for FFMPEG) powering an online dubbing studio platform.
- Built a scalable Twitter chat engine supporting multiple chatbots per Node.js instance, and implemented real-time text/audio chat via sockets.

- ○ Led end-to-end software delivery — from prototyping, design, and documentation to testing, deployment, and ongoing maintenance — while resolving critical application issues.

Alt S Solutions, Kochi - *Software Engineer*

May 2017 - Oct 2017

- ○ Developed responsive websites tailored to diverse client requirements.
- ○ Designed and implemented dashboards and APIs for CRM applications.

EDUCATION

T John Institute of Technology, Bangalore - *Bachelor of Engineering in CS -* **2017**

HOBBY / SIDE PROJECTS

Merry Pixels - A Christmas star with 300 individually addressable LEDs, connected to the internet, that can be animated using JavaScript by anyone.
Typescript | Deno | Socket | HTML | Tailwind
merry-pixels.deno.dev

HN - Minimalistic Hacker News reader and PWA.
PWA | JavaScript | jQuery | Semantic-UI | Firebase
guyswhocode.com/HN/

Sudoku solver - 9x9 sudoku solver with 1000 sample puzzles.
JavaScript | HTML | CSS
https://shajanjacob.com/sudoku/

Lets All Chef - Companion for Home Cooks and Chefs.
Organize recipes, create cookbooks, manage health and diet.
NodeJS | ExpressJS | MongoDB | Semantic-UI | Jekyll
letsallchef.github.io

Meemi - Online ornamental fish store, forum, store locator and wiki.
NodeJS | ExpressJS | MongoDB | Elastic Search | SemanticUI

BlackPipe - Expose terminal outputs without sacrificing security.
NodeJS | Sockets | Semantic-UI | ExpressJS
shajanjacob.com/blackpipe/

EasyHome - IoT dashboard. Control and monitor home devices easily using NodeMCU.
Arduino | NodeMCU | Semantic-UI | jQuery | C | Raspberry Pi
shajanjacob.com/easyhome/

Ace Of Spades - Realtime online card game with chat.
JavsScript | Socket | Sementic-UI | HTML | CSS
github.com/shajanjp/ace-of-spades/

PROFILES

linkedin.com/in/shajanjp
github.com/shajanjp
npmjs.com/~shajanjp

HOBBIES

Terrariums
Photography
Crafting