

Dhruva Sagar

#hacker #geek #programmer #foss #vimmer

I LOVE CRAFTING SOFTWARE! I am an accomplished full-stack Software Architect with over 18 years of experience in the tech industry. With a passion for innovation and a track record of delivering cutting-edge solutions, I have expertise across a diverse range of technologies.

Throughout my career, I have demonstrated a knack for architecting scalable and efficient systems that meet the evolving needs of clients. My ability to adapt to new technologies quickly has allowed me to stay ahead of industry trends and deliver innovative solutions that drive business growth and success.

In addition, I possess strong leadership and communication skills, enabling me to collaborate effectively with cross-functional teams and stakeholders. I am good at translating business requirements into technical solutions and guiding teams through the development lifecycle to deliver high-quality software on time and within budget.

I am driven by a desire to solve complex challenges and push the boundaries of what's possible in software development. I am committed to continuous learning and growth, always seeking opportunities to expand my skill set and stay at the forefront of emerging technologies.

Hobbies

Apart from all things technical, I also enjoy [Speed Cubing](#), [Chess](#), [Swimming](#), Pencil Shading, Table Tennis, Pool & Billiards, Gaming ¹

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¹ Mostly First Person Shooters (FPS)

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What I do

- **Technical Architecture:** Design and architect robust, scalable, and efficient software systems. This involves identifying the appropriate technologies, frameworks, and architectural patterns to meet project requirements and objectives
- **Full-Stack Development:** Proficient in both front-end and back-end development. Write clean, maintainable code using a variety of programming languages and frameworks
- **Database Management:** Expertise in working with various types of databases, including relational databases (such as MySQL and PostgreSQL), NoSQL databases (such as MongoDB and DynamoDB), key-value stores (such as Redis) and search databases (such as Elasticsearch)
- **Microservices Architecture:** Design and implement microservices architectures, breaking down monolithic applications into smaller, decoupled services to improve scalability, resilience, and development velocity
- **API Design:** Design and develop RESTful APIs and GraphQL APIs to facilitate communication between different components of a software system and enable integration with third-party services
- **User Interface Development:** Create intuitive and user-friendly interfaces using modern front-end technologies such as React.js, Angular.js, and TypeScript, ensuring a seamless user experience across different devices and platforms
- **Performance Optimization:** Optimize code and system performance to ensure fast response times and efficient resource utilization, using techniques such as caching, lazy loading, and asynchronous processing
- **Quality Assurance:** Write unit tests, integration tests, and end-to-end tests to ensure the reliability, stability, and security of software applications, and advocate for best practices such as test-driven development (TDD), continuous integration (CI), continuous delivery (CD)
- **Collaboration & Leadership:** Collaborate with cross-functional teams, including product managers, designers, and other developers, to translate business requirements into technical solutions and drive projects to successful completion. I also provide technical leadership and mentorship to junior developers, helping them grow and develop their skills.

Nothing wrong with a Monolith unless it's getting in the way of maintaining and adding features

Also on Open Source projects!

Why I do it

- **Passion for Technology:** I am driven by a deep passion for technology and software development. I find fulfillment in exploring new languages, frameworks, and tools, and thrive on the challenge of mastering complex systems.
- **Problem-Solving:** I am motivated by the opportunity to solve challenging problems. Whether it's optimizing code for performance, architecting scalable solutions, or troubleshooting bugs, I enjoy the process of identifying issues and finding elegant solutions.
- **Innovation:** I am inspired by the opportunity to innovate and create. I see software development as a means of bringing new ideas to life and making a positive impact on the world through technology.
- **Continuous Learning:** I am committed to continuous learning² and growth. I view each project as an opportunity to expand my skill set and deepen my expertise, and I actively seek out new knowledge and challenges to stay at the forefront of your field.
- **Impact:** I am driven by the opportunity to make a meaningful impact with my work. Whether it's improving efficiency, enhancing user experiences, or driving business growth, I find fulfillment in knowing that my efforts have tangible results.
- **Collaboration:** I value collaboration and teamwork³. I enjoy working with others to tackle complex problems, and I find inspiration in the exchange of ideas and perspectives that comes from collaborating with diverse teams.
- **Personal Fulfillment:** Ultimately, I do what I do because it brings me personal fulfillment and satisfaction. I find joy in the process of creating something from nothing, and I take pride in the craftsmanship and quality of my work.

Advent of Code!

² Learning [Zig](#), [Haskell](#), [Lua](#), [Clojure](#) and more...

³ Often I learn a lot from others!

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Technologies I have used

Technology	Language / Framework / Tool
Toolchain	zsh, unix toolchain, neovim
Backend	Rust (Axum, Actix-web, Async-GraphQL), Golang (Gin, Mux, Echo), Node.js (Typescript, Javascript, GraphQL) Ruby (Ruby on Rails) Elixir (Phoenix)
Frontend	React.js, Angular.js, Vue.js, Vanilla JS
Mobile	React Native
Databases	PostgreSQL, MySQL, MongoDB, Redis, ElasticSearch, MariaDB, DynamoDB
DevOps	Docker, Docker Compose, Kubernetes, Terraform, AWS Cloud, GCP, Microsoft Azure, Jenkins, Github Actions, Bitbucket Pipelines, Drone

Professional Work History

Senior Consultant at Tarkalabs Architect, Develop, Maintain & Ship Web Solutions Clients: Songistry , DMG Pro , TuneCore , Gaea Global , Klstr , Moove Network , Data Cloud , JiffleNow , Aisle , 10i Services , Modus Go , Duplii	[10 years]	1 st Jul '14 - Present
Senior Application Developer at ActiveSphere Develop, Maintain & Ship Web Solutions Clients: Pulse Energy , Bounty Me , Live Network	[2 years]	2 nd Apr '12 - 13 th Jun '14
Senior Developer at Dharana Software Develop, Maintain & Ship Web Solutions Clients: PHR , Health Highway	[2 years]	22 nd Feb '10 - 30 th Mar '12
Software Engineer at SAP India Collaborated in a Dynamic Team building a UI Framework for building Buisness User Intelligence Applications	[2 years]	9 th Apr '08 - 19 th Feb '10
Application Programmer at IBM India Started my career as a Java developer Helped build & maintain several in-house products	[2 years]	18 th Aug '06 - 4 th Apr '08