Shivu Donmardi Gorva

📍 Boston, MA ✉ dgshivu3232@gmail.com 📞 617-606-8602 in https://linkedin.com/in/dgshivu

 https://github.com/shivz3232 🔗 https://portfolio.gorva.me

Software Development Engineer

Software engineer with 4 years of experience specializing in backend development. Collaborated closely with product teams to design and deliver scalable, maintainable, and high-performance distributed solutions currently in use by hundreds of enterprise clients.

Skills

Languages: Ruby, Javascript, Golang, Python, HTML, CSS, SQL, C, C++, Java, Bash

Technologies: AWS, GCP, Vercel, Kubernetes, Docker, Ansible, MongoDB, Tailwind CSS, Git, GitHub Actions

Frameworks: Ruby on Rails, AngularJS, ReactJS, NextJS, Django, ExpressJS

Work Experience

Software Development Engineer — *Chicago, IL*
BetterCloud — *March 2024 – August 2025*

- Drove the development of the License Reclamation feature, seamlessly integrating two distinct products. Partnered with the Product team from the planning phase, clarified complex technical queries with Lucid-Chart, and accelerated readiness for development by 50%.
- Launched License Reclamation as the most in-demand feature post-acquisition, capturing 100% adoption by target group, 38% them being Enterprise accounts, within 60 days.
- Expanded License Reclamation with Okta SCIM, increasing the customer base by 7 times with 66 new supported products.
- Led the revamp of Xero financial integration, introducing self-service, doubling the rate of adoption by new customers and reduce customer complaints by 90%.
- Implemented Adapter and Strategy design patterns to support multiple transactional sources, including Bills, Payments, and Invoices.

Software Development Engineer — *Chicago, IL*
G2 — *July 2022 – March 2024*

- Spearheaded the revamp of Intacct financial integration, introducing self-service capabilities that reduced reliance on the Customer Success team and improved their efficiency by 85%, while boosting adoption by 100%.
- Redesigned the enterprise SFTP integration using AWS Transfer Family and AWS SNS, enabling real-time status updates for customers.
- Streamlined AWS integration with CloudFormation templates, slashing setup duration from a week to hours and improving transaction reliability by reducing drop rates from 70% to 30% using AWS Cost and Usage Reports.
- Engineered new PostgreSQL indexing strategies for transaction mapping, reducing query execution times by 50% and improving overall system efficiency by 83% across 5 critical microservices.
- Mentored an intern as an SME, guiding them in learning Ruby, navigating a complex code-base, and adopting agile practices, resulting in a successful project contribution within their internship period.

Software Development Engineer Intern — *Chicago, IL*
G2 — *January 2022 – June 2022*

- Gained an understanding of product delivery and working in a large team.
- Familiarized with SCRUM & Agile fashion of software delivery
- Mastered Object-Oriented Programming with Ruby On Rails.
- Resolved several Customer Found Defects (CFD), while also optimizing the reporting and resolution chain

Technical Lead   *Part-time, Bangalore, India*
Inovact   *January 2021 – December 2021*

- Directed a cross-functional team of two backend engineers and one mobile frontend engineer to build an MVP, now serving hundreds of monthly active users.
- Designed and deployed a microservices architecture powering key components, including Chat, Authentication, Mobile App Server, and Recruitment Dashboard.
- Developed a real-time chat server from scratch using Socket.IO, supporting one-on-one and group conversations with latencies in the tens of milliseconds.
- Built a passive recommendation system leveraging TF-IDF vector corpus with Cosine similarity, boosting user engagement by 24%.
- Implemented native concurrent workflows in Golang, eliminating the need for N8N and saving hundreds of dollars per month in subscription costs.
- Constructed a GitHub repository analysis workflow using Gen-AI APIs in Golang, applying Fan-In/Fan-Out, Loop-Level Parallelism, Fork-Join, and Thread Pool patterns for high-performance execution.

Education

Northeastern University   *August 2025 – Present*
Masters in Computer Science

- GPA: NA
- **Coursework:** Programming Design Paradigm, Foundations of Distributed Systems, Algorithms, Scalable Distributed Systems

PES University   *August 2018 – May 2022*
Bachelors in Computer Science

- GPA: 8.37/10
- **Coursework:** Operating Systems, Data Structures, Algorithms, Object Oriented Analysis & Design, Computational Theory, Machine Learning, Big Data and Analysis, Database Management Systems

Projects

EarlyAction   *Site* ↗ *GitHub* ↗

- Developed a comprehensive college planning platform, featuring tools for achievement tracking, activity management, and essay prompts currently serving ̃50 active paying subscribers.
- Developed using TypeScript, Tailwind CSS, ReactJS, NextJS and PostgresSQL
- Used Vercel for production for it's ease of deployment, domain management and CDN boosting release lifecycle by 75% compared to AWS.
- Implemented role-based access control for private and public data visibility.
- Integrated Stripe for payment processing along with a trial period.
- With Server Side Rendering (SSR) and Static Site Generation (SSG) was able to achieve a score of 91 on Google Lighthouse with sub second First Contentful Paint (FCP)

App4Arts   *Site* ↗ *GitHub* ↗

- A full-stack web application to host and share digital artworks.
- Tools Used: Javascript, Tailwind CSS, ReactJS, NextJS and MongoDB
- Deployed through Vercel, supporting ̃100 monthly active users during the first few months.
- Implemented user authentication, artwork management, and social features like following and liking.

Automated Computer Laboratory Systems Setup   *GitHub* ↗

- Built a system for professors to remotely setup university laboratory systems with required tools.
- Leveraged Microservices architecture using Docker and Kubernetes.
- Services included Authentication, Allocator, Docker File Generator and CleanUp
- Deployed through AWS EKS
- Used Ansible to remotely download and run custom Docker images on lab systems.