Shivam Garg

(438) 779-1101 | sgshivamgarg11@gmail.com
gargshivam1101.github.io/portfolio | linkedin.com/in/garg-shivam | github.com/gargshivam1101

Motivated and detail oriented computer engineer with Master of Engineering degree and 3 years of experience in the digital signing industry. Collaborated with a dynamic team of over 30 engineers, showcasing innovative skills and delivering robust software solutions. Eager to contribute expertise to drive the success of future projects.

EDUCATION

Masters of Engineering *(Major: Computer Engineering)* — Jan 2023 − Aug 2024
Concordia University **(GPA: 4.06/4.3)** — *Montreal, Canada*

Bachelor of Engineering *(Computer Engineering)* — Jul 2016 − May 2020
Thapar Institute of Engineering and Technology **(GPA: 8.24/10.0)** — *Patiala, India*

TECHNICAL SKILLS

Programming: Java, TypeScript, JavaScript, React, Node.js, Python, MATLAB
Frameworks: SpringBoot, Angular, Vue.js, MERN Stack, Hibernate, Flask, gRPC
Databases: MySQL (MySQL Workbench), MongoDB (MongoDB Compass), AWS DynamoDB
Developer Tools: Maven, JUnit, NPM, Docker, Kubernetes, Jenkins, ELK Stack, Postman, AWS, Figma, SonarQube
Version Control: GitHub, BitBucket
Project Management: Jira, Confluence, Trello, Slack
Languages: English - advanced, French - elementary

WORK EXPERIENCE

Software Development Engineer — Jul 2020 − Dec 2022
MSB Docs — *Chandigarh, India*

- Drove impactful contributions across the end-to-end development lifecycle, orchestrating the design, coding, and integration of new modules in feature-rich products through comprehensive front-end and back-end expertise
- Revolutionized OCR service, **cutting infrastructure costs by 98%** with AWS Serverless Lambdas and Step Functions, enhancing efficiency and cost-effectiveness.
- Introduced a Unified URL solution, streamlining the 4 regional instances of our product. Leveraged DynamoDB sharding techniques to ensure GDPR compliance, resulting in an enhanced user experience
- **Led a 12-member backend engineering team** in successfully transitioning our application's legacy monolithic architecture to a microservices paradigm, unlocking a multitude of advantages inherent in microservices adoption
- Created and deployed Microsoft and Google add-ons for our e-signing product, enabling users to send documents for signing directly, eliminating the need for manual uploads and **reducing manual efforts by upto 70%**

Software Engineer Intern — Jan 2020 − Jun 2020
MSB Docs — *Chandigarh, India*

- Transformed client onboarding with Angular-based Product Tour for intuitive navigation through key system functionalities, **reducing onboarding time by 55%** and eliminating the need for extensive team walkthroughs
- Designed and implemented real-time environment whitelisting feature, allowing customization of UI based on more than 40 individual client configurations, editable in real-time by a superadmin
- Actively solicited constructive feedback from mentors and adeptly integrated it into my tasks, showcasing a dedicated commitment to ongoing refinement and professional development

Summer Intern — Jun 2017 − Jul 2017
Slicksoft Technologies R&D — *Patiala, India*

- Completed a 6-week summer internship gaining proficiency in Java and contributing to the development of various ongoing projects in a team of 9
- Major stakeholder in the development and in-time delivery of the Boot Catalogue System, a Java-based application for book inventory management, sales, and billing, improving efficiency for vendors and libraries

Academic Projects

- **StayInDreams** *GitHub*
  Freelance Assignment
  – Independently developing a real estate website using the MERN stack, integrating Google Firebase for secure and scalable image storage, allowing users to upload profile pictures and multiple listing images
  – Implemented robust user authentication with OAuth (Google and email-based), CRUD functionality for property listings, and an optimized search functionality while facilitating seamless user communication

- **AutoGuard** *GitHub*
  Course: *Programming on the Cloud*
  – Developed a vehicle authentication system employing AWS services (Rekognition, Lambda, S3, DynamoDB, API Gateway) for image processing, serverless computing, and database management
  – Authored SwaggerHub documentation for project APIs, demonstrating effective communication and collaboration, while ensuring seamless integration with robust CI/CD pipeline using CodeBuild

- **TalentBridge** *GitHub*
  Course: *Software Engineering*
  – Led backend development using SpringBoot, facilitating freelancers to find projects and enabling seamless user connections, as well as contributed to Vue.js frontend, enhancing user experience
  – Served as Scrum Master for a team of 5, orchestrating Agile practices, utilizing Jira for user stories and task tracking, and Confluence for documentation

- **Blind Navigation System** *GitHub*
  Capstone Project
  – Aimed to empower visually impaired individuals for independent navigation, utilizing Python-based image recognition for object identification and 3 ultrasonic sensors for distance measurement
  – Implemented a solution with Raspberry Pi, making informed decisions based on sensor readings, and delivering real-time information to the user through a speaker using text-to-speech conversion

Leadership & Extracurricular Activities

- Nominated as a **member of the Concordia Chapter of the Golden Key International Honour Society** in 2023 as a recognition to my excellent academic results, volunteering in fundraisers to support local communities
- A **member of CU Bhangra Montreal**, actively participating in promoting and teaching Punjabi traditional folk dance through weekly dance sessions, workshops, and regular community events in Montreal
- Actively participated as a **member of the Spirit Club at MSB Docs**, orchestrating cultural celebrations, significant events, and an annual 3 day retreat at upscale resorts
- Engaged as an **active member of Har Hath Kalam**, served over 15 slums, aiming to create a nurturing environment for children from vulnerable populations, offering educational support, and facilitating donations
- Consistently **engaged in blood donation drives**, demonstrating a commitment to supporting life-saving efforts and contributing to the welfare of the community
- As the **Administrative Head at OWASP Thapar Student Chapter**, organized and executed the HackOwasp '19, an overnight hackathon open for all
- **Led a team of 36 individuals as Overall Management Head for LEAD**, orchestrating the planning and execution of events during Shoonya '18 at Thapar Institute
- Elected **Class Representative for a group of 88 students** during my undergraduate, acting as a liaison between peers and faculty to address class interests

Courses and Certifications

- *The Complete Microservices & Event-Driven Architecture* by Michael Pogrebinsky from Udemy
- *Software Architecture & Technology of Large-Scale Systems* by Anurag Yadav from Udemy
- *Advanced Design Patterns: Design Principles* by Eric Freeman from LinkedIn Learning
- *Learning Spring with Spring Boot* by Frank P Molley III from LinkedIn Learning
- *Angular - The Complete Guide* by Maximilian Schwarzmüller from Udemy
- Python for Beginners: Learn Python Programming (*Python 3*) by Jason Cannon from Udemy
- *Interview Preparation in C++* by CodingNinjs