

KARAN AHLAWAT

FULL-STACK ENGINEER

☎ +91-8383976609 ✉ ahlawatkaran12@gmail.com 🔗 [linkedin.com/in/karan-ahlawat/](https://www.linkedin.com/in/karan-ahlawat/) 🐙 github.com/KaranAhlawat

A software engineer with a passion for building elegant, functional and practical software,
and exploring new software territories.

Experience

Hughes Systique Corporation

Aug 2023 – Present

Associate Engineer

Gurugram, Haryana, India

- Develop two frontend applications from scratch with a modern React-centric technology stack, playing a key factor in bringing in new customers to the business, owning the entire stack and the development of the application keeping in line with best practices.
- Developed application for network statistics collection that assisted clients in making critical decisions about potential points of failure, reducing failure incident reports by 43%, running on hundreds of different network nodes. Also maintained two UI dashboards for interacting with the same data and application in a user-friendly manner.
- Modularization, refactoring and containerization of the applications, cross-built for various architectures for easy deployment on a host of devices. A large part of this process was automated, saving plethora of man-hours for the team.

Projects

clj-intertia 🐙 | Clojure, Inertia, Svelte

- A proof-of-concept web application written using Clojure on the backend, using Svelte components for templating, with Inertia as the intermediate layer.

ping-cpp 🐙 | C++20, asio, CMake

- A minimal ping clone, written in C++20, to leverage and understand new features such as coroutines and asynchronous programming for highly concurrent programming.
- Intuitive usage CLI for pinging an IP address, for a configurable number of times.

scala-ts-mode 🐙 | Emacs Lisp, tree-sitter

- An Emacs 29+, tree-sitter based major mode for the Scala programming language, providing syntax highlighting, navigation, and indentation.

Three Arrow Landing 🐙 | TypeScript, React, Tailwind

- Replica of ueno.co's landing page, written using TypeScript, React functional components and an early adoption of tailwind.
- Mobile and desktop friendly design, built into a static webpage.

Technical Skills

Languages: JavaScript/TypeScript, Scala, Kotlin, Java, Python, C++, C, Clojure, Golang, SQL

Frameworks, Libraries & DBs: Typelevel (Scala), React, Express, HTMX, SQLite, PostgreSQL, MySQL, MongoDB

Tools: Docker/Podman, Git, GitHub, GitLab, GitLab CI/CD, GitHub Actions, AWS Lambdas

Education

Guru Gobind Singh Indraprastha University

Aug 2019 – July 2023

Bachelor of Technology in Computer Science: CGPA: 9.1

New Delhi, India

Relevant Coursework

- Data Structure and Algorithms
- Operating Systems
- Computer Networks
- Object Oriented Programming
- Database Management Systems

Interests

- Learning and teaching others practical functional programming.
- Taking care of and spending time with the streets dogs in my locality.
- Working out to keep my body and mind healthy.