

Karamveer Singh Sidhu

📍 Uttarakhand, India (Remote Preferred, Willing to relocate)

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🌐 <https://karamveersidhu.com>

🗨 [KaramveerSidhu](#)

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A passionate Full Stack Engineer, aiming towards creating customer-centric, world class experiences and solutions to problems, using technology. Earned a **top 5%** skill assessment badge in JavaScript by LinkedIn.

SKILLS

Web Technologies: React.js, Node.js, Next.js, HTML, CSS

Languages: TypeScript, JavaScript, C++, Python

Databases: PostgreSQL, MySQL

Cloud: AWS, Heroku, Netlify

Git, Github, Docker, Redis

Data Structures, Algorithms

WORK EXPERIENCE

CloudSEK

(July 01, 2022 - Present)

Software Development Engineer - Full Stack

- Created data visualization components, complex charts, graphs, & dashboards for the company's flagship user facing products, **XVigil** & **SVigil**.
- Implemented a chunked upload solution, for uploading an apk file that reduced the upload time by almost **50%** and bypassed the upload file size limit.
- Quickly developed **Exposure Search App** in collaboration with other developers that led to **100k+** searches & **3000+** new leads in just 3 days. This ultimately led to a revenue increase of over **\$500k** for the company.
- Independently built the frontend of a new product within two weeks, resulting in a successful **\$100k** deal.

🌐 <https://cloudsek.com>

CloudSEK

(November 15, 2021 - June 30, 2022)

Software Development Engineer - Intern

- Created highly performant, reusable, shared **React** components in **Next.js** for the revamp of world's first mobile security search engine **BeVigil**.
- Reduced the **MongoDB** count query execution time by **88%**.
- Created new dashboards and improved the existing ones by adding new search functionalities, features and new filters, for the admin panel. Used **Sequelize** and **React Admin**.
- Created and optimized the **Docker** images for both the frontend and backend applications.
- Created new APIs and improved existing ones written in **Node.js**. Cached computational count query results in **Redis**.

Tutort Academy

(June 11, 2021 - November 12, 2021)

Software Engineer Intern

- Architected, designed, and developed the company's **Web App** by creating flexible, object oriented, reusable components in **React** using relevant Data Structures & Algorithms.
- The app significantly boosted revenue with a monthly increase of nearly 30% throughout the year.
- Completed the minimum project requirements well on time by prioritizing the important tasks.
- Deployed the app on cloud using Ubuntu **Linux EC2** instance of **AWS**.
- Used **Amazon Aurora PostgreSQL** cloud database. Developed a backend server using **Node.js**.
- Saved costs by installing free SSL certificate from Amazon Certificate Manager of AWS.
- Improved the **SEO** by learning and using **prerender** service to respond differently to bots and users.
- Received free enrollment into a course provided by the academy as an **award** for working up to the expectations.

🌐 <https://tutort.net>

EDUCATION

PUNJAB TECHNICAL UNIVERSITY

(July 16, 2018 - June 30, 2022)

Bachelor of Technology in Computer Science & Engineering

8.86 CGPA

Merit Scholarship | Football Team | Best Speaker out of 70 colleges | One of 17 in Young Leaders Program | NCC

PUBLICATIONS

Data science and analytics in agricultural development

(March 08, 2021)

Environment Conservation Journal

🌐 <https://doi.org/10.36953/ECJ.2021.SE.2202>

Advancements in farming and related activities with the help of artificial intelligence: a review.

(March 08, 2021)

Environment Conservation Journal

🌐 <https://doi.org/10.36953/ECJ.2021.SE.2206>