

YASH ANAND

COURSES

Compiler Design
Software Architecture
Web Apps Development
Intro to Computer Systems
Advanced Formal Methods
Advanced Arch. & Design
Agile Methods
Quality Assurance
Software Project Management

Jul 2019 - Jul 2022

Software Engineer
Shell

Bangalore, India

Sep 2018 - Jul 2019

Lead Software Developer
Vicara

Vellore, India

Feb 2017 - Feb 2019

Software Development Intern
AppSecure

Vellore, India (Remote)

2023 • Team of 2 • CMU

CO Compiler
OCaml, x86, WebAssembly

2022 • Team of 2 • CMU

Chesster
JavaScript, Django

2019 • Solo • Vicara

Kai Control Center
Angular, RxJS, Electron

2018 • Solo • AppSecure

Rakshak Beta
Angular, Node.js

CERTs

Cert. Application Developer
ServiceNow

Cert. Implementation Specialist
ServiceNow

Software Engineer



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I am a design-savvy software engineer with a passion for web applications and systems programming. I have delivered high-quality solutions over the years for both enterprise and startups. With a Master's from a top CS school, brandishing a skillset that cuts across all aspects of the field, I'm poised to take on any software engineering challenge headed my way.

EDUCATION

Graduated in May 2019

Master of Software Engineering

Carnegie Mellon University, School of Computer Science

CGPA: 4/4 • Pittsburgh, U.S.A

Teaching Assistant for Software Architecture & Web Apps Development

Graduated in May 2019

Bachelor of Technology in Information Technology

Vellore Institute of Technology

CGPA: 8.49/10 • Vellore, India

Core Committee Member of Computer Society of India

GRE

Score: 330

TOEFL

Score: 106

Languages

English, Hindi (Native)

EXPERIENCE

- Improved performance (latency) of org-wide skills management application by 70%.
- Implemented mission-critical software used to manage projects, resources, and security incidents across the organization and pioneered a CI/CD initiative for the platform.
- Winner of VP CIO Award (May 2021) and Service & Special Recognition Awards.
- Solely developed the desktop user interface for a wearable gesture controller called Kai.
- Lead software team for a product that raised over \$100k via crowdfunding on Indiegogo.
- While simultaneously pursuing an undergraduate degree, built the entire web eco-system including UI component libraries, product website, auth intermediary, and many more.
- Single-handedly developed and designed multiple security-based SaaS apps during the start-up's formative years while simultaneously pursuing an undergraduate degree.
- Pivotal work that contributed to start-up's listing in Forbes 30 under 30 Asia (2017).
- Built a web app (rakshak.io) that was acclaimed at the RISE Conference, Hong Kong (2018).

PROJECTS

- Within a semester, we wrote a memory-safe x86-64 compiler for a subset of the C language that achieved performance levels on par with industry-standard GCC (-O1).
- Features included strings, function pointers, arrays, structs, and a WebAssembly target.
- In just a few days, we built a fully-functional online chess multiplayer game that featured in-game spectators, chat and a global live feed of top-spectated games.
- Challenged ourselves by using vanilla JavaScript for complex asynchronous interactions.
- Solely built a cross-platform desktop app for a wearable gesture controller called Kai.
- Product (Kai) eventually raised over \$100k via crowdfunding on Indiegogo.
- Built critical module to deliver software patches to devices's entire software eco-system.
- Solely designed and developed a SaaS app for automatic web app security monitoring.
- The application was acclaimed at the RISE Conference, Hong Kong (2018).
- Incl. enterprise-grade features for scalability & interoperability with enterprise systems.

SKILLS

Top Skills

Web Applications
Functional Programming
Systems Programming

Languages

C / C++ JavaScript
OCaml Java
Python x86 Assembly

Tools/Technologies

Angular WebAssembly Django
React Node.js AWS
Redux Electron Firebase