Yudhvir Raj

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SUMMARY

Experienced Software Engineering Manager with 6 years of experience in leading cross-functional teams & developing successful software projects. Instructor with 3 years of experience in Adult Education. Proven ability to build & manage high-performing engineering teams with hands on software experience in back-end, front-end & mobile development. Looking to utilize my unique skillset and diverse experience in an exciting company.

EXPERIENCE

Software Engineering Manager
AdvisorFlow   December 2021 - September 2022, Vancouver, BC

· Planned large scale migrations for numerous reasons such as upgrading the tech stack, restructuring data, improving security, etc resulting in a 5x decrease of load times for users & 10x increase of speed of development.
· Implemented custom build scripts using tools such as Webpack, ESBuild & Vite to drastically reduce bundle size & build times for both development & production by 100x.
· Regularly conducted meetings with shareholders & engineers to understand & deploy the vision technically.
· Developed tools such as ORM's, & automation scripts to greatly reduce technical debt & improve development efficiency.
· Researched, proposed & then executed the vision to the engineering such as Typescript, SASS.
· Led the hiring and conducted performance reviews of the team.
· Significantly decreased engineering overhead & improved cycle times bringing resources critical to feature development & launch at the right times.
· Managed the projects & communications with stakeholders to ensure high quality and customer satisfaction.

Computer Systems Technology Instructor
Vancouver Community College   October 2020 - Present, Vancouver, BC

· Youngest college instructor in BC's history.
· Proactively helped the department with the Computer Systems Technology diploma.
· Introduced course surveys & wrote course outlines for the program.
· Taught practical classes mixed with theory on Web & Mobile Development, & Introductory Programming in Python, Kotlin, JS, TS, Swift & more.
· Modernized the curriculum of multiple courses especially in Web & Mobile Development (i.e teaching modern full-stack frameworks & server less computing).
· 100% of students that started working after graduation found the classes to be useful & directly applicable to their jobs.

Fractional Chief Technology Officer
aByte Inc.   June 2020 - Present, Burnaby, BC

· Consulted businesses, helped develop their visions & refine the scope of work.
· Contracted as a Fractional-CTO for clients helping with important technological decisions & technical vision.
· Architected deployment infrastructures & software projects meeting client requirements.
· Developed MVP (prototypes) optimizing the time to market.
· Coded with a wide variety of technology such as NodeJS, ReactJS, NextJS, Typescript, MongoDB, PostgreSQL, Cloudinary, AWS, etc.
· Reduced (on average) client's software development costs by 25% and implemented high-performance solutions to bring client's products to market 4 months faster.
· Rearchitected infrastructure & code for candle.gg reducing cost by 1/2 & decreasing load times by 10 times.
· Led development teams in building microservice-driven projects hosted on AWS, Cloudflare & Vercel.
· Streamlined the development processes of companies to reduce release time by 500%.

Lead Full-Stack Developer
RunGo   June 2018 - April 2021, Vancouver, BC

· Created statistical models in Golang and JS for analysis & user recommendations.
· Architected and coded a framework from the ground up alone within four months increasing revenue by 2x.
· Programmed major parts of the iOS application; Rewriting code from Objective-C to Swift, updating Objective-C logic, using Data Structures & Vectorization to create performant code, adding features every month & meanwhile finishing other tasks that arise.
· Managed deployment of multiple systems such as internal servers & the website (Heroku).
· Reduced monthly cost by 93% through optimizing route creation, hosting a custom tiling server & batching API calls. Improved software performance by reducing response times by 40%, increasing scalability and improving system reliability with unit tests, end-to-end testing, stress testing and integration tests.

EDUCATION

Provincial Instructor Diploma Program
Vancouver Community College · Vancouver, BC · 2024

Computer Systems Technology Diploma (Distinction)
British Columbia Institute of Technology · Burnaby, BC · 2017