



BINAM KAYASTHA

Senior Software Engineer

EXPERIENCE

SENIOR SOFTWARE ENGINEER, EVERQUOTE, JUNE 2018 - PRESENT

1st Party Sales Engineering Team, Fullstack, October 2021 - present

Python, FastAPI, React, Relay, GraphQL, Terraform, AWS (EKS, Redis, Postgres)

- Worked on features to improve Advisor NPS scores
- Added automated callbacks feature which doubled our revenue per lead
- Added logs, metrics, and alerts across multiple kubernetes python services with prometheus, alert manager, and grafana.
- Created CI/CD pipelines with IAM access to EKS and ECR

Health/Medicare Website Engineering Team, Fullstack, June - October 2021

Go, Typescript, React, Next, AWS EKS (Kubernetes)

- Created complex multidimensional filtering system to sort through quotes.
- Created React Components and ran A/B tests through feature flags

Ad Engineering, Backend, July 2018 - June 2021

Python, React, Chalice, Django, Docker, Google GKE (Kubernetes), AWS (Lambdas, Firehose, SQS, RDS and Aurora MySQL, Redis), Snowflake, Databricks, PySpark

- Built various services and tools to acquire and analyze traffic to everquote.com
- Owned multi-arm bandit Ad Server(\$10k/day, 600 req/s), its ETL(~250GB/day)
- Maintained Ad Bidder (\$5k/day) and migrated it from GKE to EKS
- Optimized search ads by linking common search phrases via NLTK

SOFTWARE ENGINEERING INTERN, EVERQUOTE, MAY 2017 - AUG 2017

Python, Docker, AWS

- Created and productionized an Ad Server (\$5K/day, 200 req/s)

SOFTWARE ENGINEERING INTERN, CIMPRESS, JUNE 2016 - AUG 2016

Image Processing, C#, Cuda, Convolutional Neural Networks, Deep Learning

- Built a service to locates text that has poor contrast with it's background

INSTRUCTOR & TECH COORDINATOR, ID TECH, JUNE 2015 - AUG 2015

Java, Python, Minecraft Modding

- Instructed week-long courses to teach programming to kids of ages 10-17

HACKATHONS

- ETH Boston | An etherium cryptocurrency based private auction system
- Google Home | 2nd, Most-Liked | Dr.AllerG: Voice app to find allergens in food
- Holohacks | Best spatial sound | HoloSense: AR based sonar for the blind
- AT&T Virtual Reality | 1st | An accessible way to relieve phantom limb syndrome
- AT&TInternet of Things | 1st | OneArmBand: IOT musical instrument
- Athena Health | 1st | VoxDox: Voice based Electronic Health Record Portal

EDUCATION

WORCESTER POLYTECHNIC INSTITUTE, B.S. COMPUTER SCIENCE, 2018

Minor: Electrical and Computer Engineering

- Senior Project | An AR GPS navigation device projected on the car windshield
- Software Engineering Project | A hospital navigation Java kiosk app
- Student Teaching Assistant | Job | Software Engineering, Operating Systems, Object-Oriented Design, Systems Programming, Intro to Python, etc.
- IT Helpdesk Specialist | Job
- Sustainability Assistant | Job | Website Admin
- IEEE WPI Student Brnach | Club | Project Manager, Webmaster
- ACM | Club | VP, Hackathon Manager, Event Coordinator | Appreciation Award

PROFILE

I love exploring random technologies, building productivity tools, and configuring my linux box.

VOLUNTEER WORK

Nepal Codes

Project Lead and Developer

React, Docker, Lerna, Cypress, GraphQL, Hasura, Firebase

- www.nepalcodes.com
- www.unitednepali.com

Everquote Volunteer Work

- Goat Herd - a slack app to connect workers together
- EverNation (International)
- EverGreen (Environment)

CURRENTLY EXPLORING

I love exploring new tech. These are what I'm playing with right now: Astro and Daisy UI

CONTACT

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