

My interests lie in working with open source technologies and contributing to open source long term. I am a maintainer of [Athens, a proxy for managing Go modules](#). I have made contributions to [Kubernetes](#), [Moby](#) and [Linux Kernel](#) fixing long-term bugs. I also started the [GSoC program](#) for openSUSE Linux and [served as a board member](#) in the past.

Work Experience

Senior Software Engineer Resource Manager team	Oracle Cloud Infrastructure Seattle, USA	Jan 2022–Present
<ul style="list-style-type: none">Improved CI build times by 100% which increased team's development and release velocity.		
Software Engineer II Snowball, ECS Fargate, Kubernetes EKS	Amazon Web Services Seattle, USA	Dec 2018–Dec 2021
<ul style="list-style-type: none">Led a team of 4 developers, designed and implemented a set of APIs to manage Snowcone lifecycle management, security assets and shipment as part of Snowcone GA.Implemented AWS IAM on Snowball and its corresponding services allowing creation of users and authorization via IAM policies to enable multi-tenancy.Implemented feature to allow customers to configure permissions for their ephemeral volumes on ECS Fargate allowing them to improve their security posture and achieve compliance goals.Dived deep into ECS Fargate task failure metrics and implemented fixes to decrease ECS task launch failure rates from 1% to under 0.02%.Decreased pod launch times on Kubernetes by 4x by detecting mountpoints faster in Linux Kernel 5.10+.Implemented and reviewed threat models, designs and patches for ECS and Snowball to minimize security risks.		
Software Developer	Genomenon Ann Arbor, USA	March 2016 –Dec 2018
<ul style="list-style-type: none">Implemented different subscription tiers of Mastermind (SaaS offering) increasing user growth.Implemented advanced search capability on Mastermind by writing Elastic search queries and APIs for customers.		
Application Engineer	University of Michigan Ann Arbor, USA	Sept 2014 - March 2016
<ul style="list-style-type: none">Implemented a data-warehouse to store research results in PostgreSQL that enabled bioinformaticians to correlate clinical and genomic data from a single store.		
Software Developer	Samsung Electronics Noida, India	Jan 2012 - Aug 2014
<ul style="list-style-type: none">Improved battery life by 5% & device performance by 10% by optimizing the display stack across various Android versions (Honeycomb to Kitkat) for low cost (sold under 200\$) phone models.Launched Galaxy Core 2 with premium display features for low-income markets, making it the only smartphone priced below 150\$ on GSMArena's top 10 trending smartphones for 8 months.		

Education and Certifications

• M.Sc. Information Science , University of Michigan, USA.	2014–2016
• B.E Computer Science , Manipal Institute of Technology, India.	2008–2012