Grivan Thapar

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Curiosity driven software engineer with a continuous learning mindset. Over 10 years of progressive industry experience building and operating business critical systems.

Experience

Amazon   **Oct 2019 - Current**
Senior Software Developer   *Seattle, WA*
Technical lead in Forecasting at Amazon Supply Chain Optimization Technology.
- Own and operate probabilistic forecast distribution systems serving traffic to 90+ internal client services.
- Developed a technical vision document outlining architecture improvements and consolidation of disparate forecast vending systems for Amazon's retail, seller and regional business lines.
- Drive strategic long term projects, from requirement gathering, solution design, and implementation.
- Write and review design documents, mentor junior engineers and write code.

Hulu   **Feb 2016 - Sep 2019**
Senior Software Developer / Lead   *Santa Monica, CA*
Team lead for four individual contributors powering Hulu's core catalog platform.
- Team operated services owning ingestion, rights management, storage, and operational tooling for catalog (availability) data.
- Maintained live metadata ingestion service that automated external metadata ingestion through many partner file formats and APIs to ingest live metadata into Hulu systems.
- Focused on improving live linear metadata ingestion latency from partner APIs to Hulu Platform
- Conducted annual reviews and championed an individual contributor's promotion to senior.
- Identified and fixed several relational database performance issues on the live metadata ingestion service.
- Improved speed of execution of the content availability calculation algorithm from 30+ minutes to <1 minute per run.

Rovolt Entertainment   **Apr 2012 - Jul 2014**
Engineer   *Gurgaon, India*
Second engineer at a gaming venture. Pivoted to an outsourced iOS development center.
- Hired, mentored, led an India based team of seven iOS developers to deliver an interactive educational game.
- App reached > 500k installs and was featured on the App Store.

Ciena   **Jul 2011 - Apr 2012**
Software Engineer   *Gurgaon, India*
Worked on enterprise optical networking management software. Updated a bridge over NBI (North Bound Interface) module which supplied network operation data from physical switches. Improved the module's data import time by 3x.

Google   **Google Summer of Code 2010 and 2011**
Software Intern
Served as developer for mathematical model solver, ASCEND. Prototyped strategies for improving the model's solving process using a flow sheet modeler built in Python.

Education

University of Washington   **Jun 2020 - Nov 2020**
Certificate in Machine Learning   *Seattle, WA*

Carnegie Mellon University   **2014 - 2015**
Masters in Software Engineering   *Mountain View, CA*

Netaji Subhas Institute of Technology   **2007 - 2011**
Bachelors in Control Engineering   *Delhi, India*