

# Prashant Khanduri

## CTO @ Sn126

x - AFRM . MSFT . AMZN

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Experienced engineering leader with 15+ years of progressive growth, focusing on backend systems and data pipelines before assuming strategic leadership roles. Proficient in architecting robust systems and delivering mission critical projects leading cross-functional teams. Skilled in building roadmaps, setting objectives, delineating work, forecasting hiring requirements, and overseeing evaluations.

Technical Expertise  
Team Management  
Project Roadmaps  
Budgeting  
Resource Allocation  
Crisis Management  
Headcount Planning  
Hiring

### EXPERIENCE

#### Sn126 Inc

##### Chief Technology Officer

Mar 2018 - Present (San Francisco CA & New Delhi )

- Catch functional regressions in backend services before release process kicks in
- Built the Frontend, Backend and Infra to **onboard 3 pilot clients** within 4 months. This helped us book **\$35k deals** with a 2 person team
- **Decreased 70% of infrastructure cost** by optimizing managed services usage and deployment strategies on AWS
- **Reduced onboarding costs by 50%** for customers with varying infrastructure needs (shared vs isolated SaaS vs On-Prem deployments)
- Supported and grew our open source solution (OSS) offering Diffy (<https://github.com/opensdiffy/diffy>) to **4K+** stars on Github in total



Python • Flask • Celery  
Javascript • React  
MySQL • MongoDB • S3  
AWS • Docker • Kubernetes  
API • CI / CD  
Open Source  
Regression testing

#### Affirm Inc

##### Engineering Manager - Underwriting - Data and Risk platform

Jul 2015 - Mar 2018 (San Francisco CA)

- **Increased Affirm's revenue** with the launch of [Prequalifications](#) product on time with 4 months of planned execution time and 7 direct reporting engineers.
- **Reduced third party vendor costs** by implementing smart caching and cleaning up the internal account identity and fraud verification pipeline and data.
- Architected the monitoring and alerting solution, which became the standard to be used by all internal platform teams **saving developer time from 2 days to 15 minutes (bound by deployment) with a 1 line change**



Python • Flask • Celery  
MySQL • InfluxDb • Postgres  
Redshift • S3 • Redis  
AWS • Docker • Kubernetes  
Data pipeline • API • CI / CD  
Yodlee • Plaid  
Underwriting

#### Jawbone

##### Senior Software Engineer - Insights & Intelligence team - Data

Apr 2014 - Jul 2015 (San Francisco CA)

- **Increased UP's user engagement by 3x** by building Smart Coach, an intelligent guide that helps users make good health choices
- **Slashed content launch time to seconds (from 2-3 days)** for smart coach insights by refining CRM and rules engine, boosting efficiency



Python • Celery  
Javascript  
MySQL • Redshift • Redis  
[CLIPS](#)

## Hearsay Systems

### Generalist Software Engineer – Analytics and Data pipeline

Dec 2012 – Apr 2014 (San Francisco CA)

- Streamlined compliance, legal, and success team workflows, **reducing time from days to mere minutes** to generate quarterly and custom financial and usage reports by building the analytics and reporting framework
- **Increase in app user engagement by 5x** by providing a notification platform for all internal teams to use

hearsay

Python • Django • Celery  
Javascript  
MySQL • Sqlite • Redshift  
Hive • Hadoop  
Data pipeline • Analytics

## Microsoft

### Software Development Engineer 2 – Bing core ranking team – AI / ML

Jan 2010 – Dec 2012 (Seattle WA)

- Improve top document ranking in Bing's search results (**Top 100K queries**)
- Extracted ranking features from petabytes of user browsing activity logs
- Using machine learning techniques to optimize user satisfaction metrics
- Service Management @ Windows Live: Implemented and [successfully patented](#) a service for syncing data from a system store to a DHCP server (for the server to hand out correct IP leases required for PXE booting)



NDCG • CLIP  
C# • Python  
Feature extraction  
Data pipeline • AI

## Internships

Apr 2003 – Dec 2009 (USA & Canada)

- **Microsoft Corporation:** Windows Live Mesh– May 2009 – Aug 2009
- Created an assembly to provision a delegated auth token management service
- **Amazon.com Inc:** Personalization – Aug 2007 – Dec 2007
- Worked on a ranking mechanism to generate a tag set which describe the list recommended items
- **Sun Microsystems:** Complex Systems Group– Jan 2006 – Apr 2006
- Participated in the design and development of a simulation infrastructure for the behavioral analysis of wireless sensor networks
- **Amazon.com Inc:** Digital Media Technologies– May 2005 – Aug 2005
- Worked on the variety of upgrades to the digital media pipeline (first internal REST client to the S3 service)
- **Epson Canada:** Barcode Recognition – Jan 2004 – Apr 2004
- Developed a universal 2D barcode decoder for hand-held image-scanners



## EDUCATION

### University of Southern California

Master in Computer Science – Artificial Intelligence (AI / ML)

Aug 2008 – Dec 2009 (Los Angeles, CA)

- Specialization in Human Language technology (Applied AI)



### University of Waterloo

B.ASc.(Hons), Computer Engineering – Minor Software

Aug 2003 – Apr 2008 (Ontario, Canada)

- Minor in Software engineering
- Accumulated 2 years of industry experience through 6 internships

