

Prashant Khanduri

CTO @ Sn126

x - AFRM . MSFT . AMZN

prashant.khanduri@gmail.com

[linkedin.com/in/prashantkhanduri](https://www.linkedin.com/in/prashantkhanduri)

<https://khanduri.com>

Experienced engineer 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
Leadership Skills
Team Management
Project Roadmaps
Budgeting and 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/opendiffy/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 by 20% with the launch of [Prequalification](#) product on time with 4 months of planned execution time and 5 direct report engineers. [Prequalification](#) has since become Affirm's second biggest source of revenue!
- 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 a 2 days of testing + deployment to just 1 line**



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

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

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 decoding application 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

