

Prashant Khanduri

CTO @ Sn126

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Seasoned engineer with 15+ years of progressive growth, initially excelling at backend before assuming strategic leadership roles. Proficient in architecting robust systems, I've seamlessly added driving innovation across cross-functional teams to my expertise in hands-on development. My journey from individual contributor to technology leader has equipped me with a unique blend of technical prowess and strategic vision, enabling me to steer scaling organizations towards accelerated growth. Proficient in building project roadmaps, establishing objectives, delineating work allocation, forecasting headcount requirements, and overseeing evaluations and interviews.

Backend Platform Expertise
Technical Team Management
Capacity Planning
Project Roadmaps
Work and Resource Allocation
Headcount Planning
Performing Evaluations
Conducting Interviews

EXPERIENCE

Sn126 Inc – San Francisco CA, USA & New Delhi, India

Chief Technology Officer

Mar 2018 – Present

- Catch functional regressions in backend services before release process kicks in
- Built the Frontend, Backend and Infra stack from scratch to make sure we were ready to **onboard 3 pilot clients within 4 months**. This helped us with aggregate of \$35k deals with a 2 person team
- **Decreased 70% of infrastructure cost** by optimizing managed services usage and deployment strategies on AWS
- **Reduced customer onboarding costs by 50%** for new customers with varying infrastructure needs (shared SaaS 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
SaaS Platform scaling
Open Source
Regression testing

Affirm Inc – San Francisco CA, USA

Engineering Manager – Data and Risk platform

Jul 2015 – Mar 2018

- 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
API | CI / CD
Yodlee | Plaid
Team building

Jawbone – San Francisco CA, USA

Senior Software Engineer – Insights & Intelligence team

Apr 2014 – Jul 2015

- 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 – San Francisco CA, USA

Generalist Software Engineer – Analytics and Data pipeline

Dec 2012 – Apr 2014

- 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
Analytics

Microsoft – Seattle WA, USA

Software Development Engineer 2 – Bing core ranking team

Jan 2010 – Dec 2012

- Improve top document ranking in Bing's search results (**Top 100K queries**)
- Developing new algorithms to extract ranking features from petabytes of user browsing activity logs
- Using data mining and 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

Various – USA & Canada

Internships

Apr 2003 – Dec 2009

- Microsoft Corporation:** Windows Live Mesh– May 2009 – Aug 2009
- Created an assembly that provisioned a delegated authentication 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 – AI

Aug 2008 – Dec 2009

Los Angeles, CA



- Specialization in Human Language technology (Applied AI)

University of Waterloo

B.ASc.(Hons), Computer Engineering

Aug 2003 - Apr 2008

Ontario, Canada



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

SKILLS

Python • Flask • Django • Celery • Javascript • NodeJS • Express • React • React Native • CSS

MySQL • MongoDB • Postgres • Sqlite • Redshift • S3 • Redis • Memcache

Infrastructure Management • AWS • GCP • Azure

APIs • Distributed Systems • Data Engineering • Machine Learning

Leadership and Mentoring • Team Management • Talent Acquisition • Quality Assurance

Roadmap planning • Cross-functional Collaboration • Resource Allocation • Agile Methodologies • Budget Management • Headcount planning