PK Prashant Khanduri

CTO @ Sn126 , ex-AFRM, MSFT, AMZN

Remote
New Delhi, India & California, USA
prashant.khanduri@gmail.com
www.linkedin.com/in/prashantkhanduri
www.khanduri.com

Full stack generalist (expert Backend knowledge, functional Frontend skills) with over a decade of experience in building production grade web applications / systems. Core strengths are in building platforms, and have experience as team lead and managerial roles as well.

Professional Experience

CTO   Sn126 | March 2018 - Present

- Prevent failures in production environments by predicting and preempting software bugs before they are deployed to production.
- Catch functional and performance regressions in backend services before your release process kicks in.
- Various companies have adopted Diffy (https://github.com/opendiffy/diffy: our OSS offering) into their workflows and are benefiting from its automated coverage.

Engineering Manager   Affirm, Inc. | July 2015 - March 2018

- **Data platform EM:** responsible for building Affirm's proprietary financial platform, as well as our real-time high-throughput data processing pipeline
- Build and maintain the bank authentication pipeline for pulling in account infromation
- Architected the monitoring and alerting solution used by all internal platform teams

Senior Software Engineer   Jawbone | April 2014 - July 2015

- **Insights & Intelligence team:** responsible for building an intelligent guide that helps our users make good health choices
- Worked on building the Insights system and the internal CRM system to manage the insight content and building the Smart Coach brand

Generalist Software Engineer   Hearsay Social | December 2012 - April 2014

- Designed and developed a notification platform
- Worked on building the analytics and reporting framework

Software Development Engineer 2   Microsoft | January 2010 - December 2012

- **Bing - Relevance:** responsible for ranking the top documents in Bing's algorithmic web search results (Top 100K queries)
- Developing new algorithms to extract ranking signals and features from petabytes of user browsing activity logs
- Using data mining and machine learning techniques to optimize user satisfaction metrics
- **Windows Live:** Implemented 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)

Internships   Various | 2003 - 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 (mainly the 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

MSc in Computer Science   University of Southern California | 2008 - 2009

B.ASc.(Hons) in Computer Engineering   University of Waterloo | 2003 - 2008

Key Skills

- Software Development, Web Services, Platform, APIs, Data pipelines
- Python, Javascript, Java
- MySQL / Postgres, AWS, GCP
- Flask / Django, React (native)