

Thejovardhana S. Kote

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SUMMARY

Demonstrated leadership in product design and engineering. Experienced in complete product cycle from conception, iterative design and scaling for multi-million user base

EDUCATION

University of California, Berkeley, School of Information, May 2011 (expected)
Master of Information Management and Systems

- Co-founder of NextDrop, a social venture which aims to improve predictability and transparency in water supply in developing countries. Awarded \$5,000 for pilot in India
- Working with [Prof. Vivek Wadhwa](#) on project studying impact of human networks on entrepreneurial success
- Graduate Student Researcher at Metadata Research Group
- Focusing on product design, HCI and technology management
- Fall 2009 GPA 3.94

Visveswaraiiah Technological University, R.V College of Engineering, Bangalore, India, June 2004
Bachelor of Engineering in Electrical and Electronics, First class with distinction

PROFESSIONAL EXPERIENCE

Netcore Solutions Pvt. Ltd., Bangalore, India
Senior Staff Engineer, March 2006 to July 2009

Netcore Solutions is a startup which operates the MyToday mobile services platform serving around 14 million users (4 million consumer and 10 million enterprise) as of July, 2009. It is recognized for having kick started the use of mobile phones as a media platform in India.

- Recognized opportunity and designed early versions of consumer product in own time. This line of business contributed to more than 50% of revenues as of mid 2009 and helped Netcore Solutions gain recognition at GSMA 2008 Mobile Innovation Global Awards. The economies of scale provided by the success of the consumer business allowed launch of enterprise services
- Managed team of 4 engineers (of a total of 15 members in the engineering team) with responsibility for project estimation, planning and delivery
- Experience with large scale SMS consumption and delivery over HTTP and SMPP - the MyToday platform delivered around 450 million and received around 4 million messages every month
- Architect and lead developer of:
 - *Ad serving platform*: Sole developer of scalable, distributed Java application which met ad serving needs of the MyToday platform, serving around 300 million real-time user profile targeted ads every month. Supported around 20,000 ad impressions per second per node, with latencies of less than 15 ms (99th percentile) per batch of 100 ads.
 - *User facing sub-system*: Major contributor to 50 kLOC code base. Exposed multiple interfaces (Web, GPRS and SMS) to a SaaS mobile services enterprise offering. Horizontally scalable shared nothing architecture using LAMP stack
 - *SMS Router*: Java application which handled all incoming SMS and routed them to appropriate platform application. Designed to control rate of message injection into platform and prevent message loss in case of platform unavailability

Infosys Technologies Ltd., Bangalore, India
Software Engineer, July 2004 to March 2006

- Team leader in GSM team of Nortel Offshore Development Centre
- Independently identified possible improvements in processes and implemented a number of applications in own time. These were incorporated into workflow of team of 80 people

RECOGNITION

- Promoted two levels at once to last position at Netcore Solutions in April, 2008
- Recognized as top 1% employee among 500 peers and promoted to team lead in less than a year after joining the project at Infosys Technologies Ltd.

OTHER PROJECTS

- Designed and built [Just Samachar](http://justsamachar.com) (<http://justsamachar.com>), a news aggregation site in 2006. This was an effort to learn about dynamic web applications and revenue generation on the internet. It currently receives around 75,000 page views a month and is self sustaining
- Open sourced libraries and details of other projects available at - <http://code.thejo.in>

PUBLICATIONS

- A large scale publish-subscribe platform for information delivery to mobile phones, *Thejovardhana S. Kote, S.R. Jeyashankher and Leena Chandran-Wadia, Comsware 2008*

TECHNOLOGIES

- **Proficient**
 - Java, PHP
 - Use of PostgreSQL, MySQL, memcached, Apache, nginx
 - HTTP and SMS protocols
 - REST based architectures
- **Familiar**
 - Python, C, C++
 - Google App Engine
 - Javascript (jQuery)
 - SMPP