

Ashish Adhav

3800 SW 34th Street, P132, Gainesville, Florida 32608

☎ 3528881365 | ✉ aashish.aadhav@gmail.com | 🌐 ashishplatformgame.herokuapp.com/ | 📱 ashishadhav | 🌐 aashish-aadhav

Education

University of Florida

M.S. IN COMPUTER SCIENCE AND ENGINEERING

Expected DEC 2017

- Courses : Distributed Operating systems, Computer Network Security, Software Engineering

Pune Institute of Computer Technology, PICT

B.E IN COMPUTER SCIENCE AND ENGINEERING

2009 - 2013

Skills

Programming C/C++, Golang, Python, Mysql, JAVA, VB 10, C#, dotNET, Node.JS, PHP, Perl, Varnish, Memcached
Web HTML5, Phaser.io, JQuery

Experience

Pubmatic

Pune, India

SOFTWARE ENGINEER

Jul. 2013 - Aug. 2016

- Involved in designing and implementing fault tolerant, scalable, distributed systems
- Included profiling and fixing applications for CPU, Memory and I/O bottlenecks
- Worked extensively on the Trie, Bloom data structures and Memcached (Distributed & Local)

Projects

Detecting TLS misconfiguration in Android Apps using dynamic analysis

UNIVERSITY OF FLORIDA

Nov. 2016

- Developed a framework to analyze android apps at runtime using Python
- Detected client side and server side TLS issues, making them MITM susceptible

In Process Caching

PUBMATIC

Jun. 2014

- Deprecated legacy Memcached caching mechanism and implemented multi layer caching for Ad Servers, and their protocol in C
- Increased throughput more than 2x, improved latency and is scalable.
- Implemented evictions, TCP interface, Cache Dump for LRU cache in C

Web Bot Detection and Filtering

PUBMATIC

2014

- Designed and Implemented 2 frameworks for protection against Web Bots in C
- Used the user agent string and public IPs of users and matched them against IAB bot list and data center public IPs of multiple providers
- Framework was realtime and used Trie Prefix and Pattern matching efficiency

Realtime Feedback based throttling

PUBMATIC

2016

- Developed as part of Pubmatic Hackathon which later went live
- Used adaptive learning to filter traffic at runtime
- Made system robust and provided traffic control as System matched the QPS of providers Realtime

Honors & Awards

AWARDS

2016	You made the difference Award,	<i>Pubmatic</i>
2015	You made the difference Award,	<i>Pubmatic</i>
2015	3rd , Pubmatic Global Hackathon	<i>Pubmatic</i>
2015	Excellence in Service,	<i>Pubmatic</i>
2014	Innovation and Impact,	<i>Pubmatic</i>
2013	1st , C Coding Competition	<i>MH.Inst of tech</i>
2013	2nd , National Coding Contest	<i>IEEE PICT</i>
2012	2nd , 2 awards in Coding Competitions PICT	<i>PICT</i>
2012	Finalists , 8 Coding Competitions	<i>Pune</i>

ROLES

2012	Event Head , Impetus and Concepts, Coding Competition	<i>PICT, Pune</i>
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