

sudiptakarmakar

software development engineer

⚡ about me

back-end developer • practice TDD • experienced in Python, Java and JS • team player • ♥ solving real world problems

contact

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☎ (415) 215-5251

🌐 sudiptakarmakar.me
in /sudiptakarmakar
📄 /sidmeister
🐦 /karmakarsudipta

repositories

📁 github/sudiptakarmakar
📁 bitbucket/sudiptakarmakar

skills

♥ Python, Java
JavaScript, Android
Redis, Postgres, DynamoDB

dev experience

C++, Ruby on Rails
Node, AngularJS
MongoDB

tools

XCode, Android Studio
Git, Mercurial, \LaTeX

awards

Full scholarship for graduate studies at FSU

involvement

Member of ACM & TechNole
Member of InternatioNole

experience

- 01-2017 - **Software Development Engineer at Amazon Web Services** Seattle, WA
present
– Facilitate continuous deployment by feature releases, bug-fixes as part of Pipelines team
– Fixed critical bug (modifying pipeline resets running tests) saving ~10% deployment time
– Designed and deployed our service in isolated private Govt. regions to facilitate CD
- 07-2015 **Software Developer at CompGeom Inc** Tallahassee, FL
Robotics : Developed autonomous robots funded by Air Force Research Laboratory
Android : Developed Android application as part of robot control and interaction
Web : Developed utility apps and core components resulting in improved productivity; Instant Messenger, Inventory Manager, Time-sheet Manager - to name a few.
- 08-2011, 11-2014 **Teaching Assistant, Research Assistant at Florida State University** Tallahassee, FL
– Instructed recitations for Intro to C++ and Computer Fluency as Teaching Assistant
– Designed optimized code search on large code-base using indexing and caching
- 05-2013 **Software Development Intern at Datamaxx Group** Tallahassee, FL
– Implemented security features and provided bugfixes for an in house android IM client

education

- 08-2014 **M.S. in Computer Science** Florida State University, Tallahassee, FL
Department of Computer Science
- 06-2010 **B.Tech. in Information Technology** West Bengal University of Technology, IND
Institute of Engineering & Management

applications

- 03-2016 **Teem - TimeSheet Manager** [python, android] [goo.gl/525uAz]
– Built Android app for user authentication using NFC and Camera during check in/ out
– Developed API using python (Flask) for back-end service and data visualization
- 01-2016 **Amazon Invoice Generator** [python] [goo.gl/IEWzhD]
– Developed a headless crawler to go through amazon order history and print invoices
- 06-2015 **Exam Result Analysis** [python, d3js, mongodb] [private repository]
– Crawled WBCHSE 2015 results of ~500k students and used d3js for visualization (inspired by the article Hacking into the Indian Education System in Quora)
- 05-2015 **Chutes 'n Ladders** [javascript, css] [sudiptakarmakar.me/cnl]
– Developed a modern day rendition of the classic board game Parachute and Ladder
- 08-2014 **PyPi Ranking** [python, elasticsearch, javascript] [pypi.compgeom.com]
– Programmed a search engine for Python modules and packages (all ~45K available in pypi.python.org), and developed the UI
- 08-2012 **Android Apps** [android] [github.com/sudiptakarmakar]
Pigify : Handy PigLatin translator app with voice I/O support
GetNimmed : Puzzle with adaptive difficulty level; published at Google Play Store
PosTweet : Handsfree interaction with phone via voice commands
SilentGuardian : Travel and emergency companion application