sudipta**karmakar**

software development engineer

about me

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

contact

✉ sudo.karmakar@gmail.com
☎ ⊙ (415)·215-5251

⊚ sudipta.info
in /sudiptakarmakar
✎ /sidmeister
🐦 /karmakarsudipta

repositories

○ github/sudiptakarmakar
▯ bitbucket/sudiptakarmakar
🦊 gitlab/sudiptakarmakar

skills

❤ Python, Java
Postgres, Redis, Kafka

dev experience

Android, C++, Rails
JavaScript, NodeJS, Angular
Spring, MongoDB, DynamoDB

tools

AWS Suite
Git, LaTeX
VSCode, IntelliJ IDEA

awards

Full scholarship for
graduate studies at FSU

involvement

Member of ACM & TechNole
Member of InternatioNole

experience

07/18 - now   **Sr. Software Developer** at **Bloomberg LP**   New York City, NY

Market Data Feeds :
– Developed streaming market data processor for Chicago Mercantile Exchange securities
– Integrated revamped NASDAQ API and protocol to Bloomberg financial data pipeline
– Developed utility tools for internal universal unique id generator for financial instruments
– Improved financial instrument cache distribution, reducing time from 5hrs to <30 mins

Developer Experience :
– Designed a CI/CD system for uniform automated software release within Bloomberg
– Implemented automated package revisioning, message format enforcing tools
– Developed metrics collection mechanism improving investigation time significantly

01/17 - 06/18   **Software Developer** at **Amazon Web Services**   Seattle, WA

Developer Tools :
– Designed and deployed our service (Pipelines) to 2 private Government regions, isolated from *public* internet, to enable users there leverage our continuous deployment engine
– Implemented deployment pipeline restructuring api to unblock teams with extremely large deployment setup from edit timeouts and eliminated a frequent customer painpoint
– Fixed critical bug (editing pipeline resets running test) saving ∼10% deployment time

07/15 - 12/16   **Software Developer** at **CompGeom Inc**   Tallahassee, FL

Robotics : Developed autonomous robots funded by Air Force Research Laboratory
Android : Developed Android application as control center for robot
Web : Developed utility apps (Instant Messenger, Inventory Manager, Time-sheet Manager) that became integral part of workplace, resulting in improved productivity

education

08/11 - 08/14   **M.S.** in **Computer Science**   Tallahassee, FL

Department of Computer Science, College of Arts and Sciences, Florida State University

applications

utility apps

Seamake : CMake project bootstrapper
CoinTrackr : Helps track prices for crypto coins; hook up with alexa for notification
Pancake : Music player built with electron
Heimdall : Command line utility to search github, focused towards enterprise
NvidiaBot : A bot to track availability and order Nvidia Ampere Graphics card
Moonshot : Download unique images from a subreddit in bulk, for example /r/wallpapers
SudoDo : Sudoku solver built with electron and pygame
Amazon-Invoice-Scraper : Crawler to go through amazon order history, print invoices

web apps

Flow : A tool to automate build and release, a free personal circle-ci alternative
Chutes-n-Ladders : Modern day rendition of the classic board game Parachute and Ladder
TeeM : TimeSheet Manager with companion android app that uses NFC for ease of access

mobile apps

Boggle : [ios] The classic game Boggle with multiplayer support
Memorizer : [ios] Single player memory game
PigiFy : [android] PigLatin translator app with voice I/O support
GetNimmed : [android] Puzzle with adaptive difficulty level; published at Google Play Store
PosTweet : [android] Handsfree interaction with phone via voice commands
SilentGuardian : [android] Travel and emergency companion application