SIDDHARTH GHODKE

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OBJECTIVE

Seeking opportunities to build world-class teams, delivering incredible user experiences and reliable architectures. With a particular emphasis on Consumer and Retail applications.

Profile: Experienced full-stack software developer and team leader; enhanced by natural language modeling and cloud agnostic work-experience. Background in non-technical pillars of business, bringing Technical Marketing and Entrepreneurship skills to represent ideas and move products.

PROFESSIONAL EXPERIENCE

Engineering Lead (Player/Coach)   Sept 2018 - Present
Steady Health   San Francisco, California
- Joined as first hire and doubled our Team in the last 3 months. Driving the company execution and delivery.
- Going from proof-of-concept to our MVP App and Backend, in just two quarters.
- Grown business from stealth-mode to 100s MAUs as paying members; physical clinic in San Francisco, CA
- Conducted hiring, onboardings, mentoring and 1:1 to multiply our team success
- Developed Complete Telemedicine Solution; Messaging, Patient Management, Patient Relationship, Health Records, Stream Processing, Billing, Support
- Custom iOS Swift and React Apps including HealthKit data and migration from dedicated Objective-C App
- Worked directly with Clinical Teams, to build product requirements and solicit product feedback
- Lead intern/research initiatives onto Data Science and Artificial Pancreas Research
- Integrations with Google Cloud, Salesforce, Stripe, HealthKit, Sendbird, Twilio, etc.

Founder / Telemedicine Services   May 2017 - Sept 2018
AlohaMD (talent acquisition to Steady Health)   San Francisco, California

Started and grew a consultancy team covering everything from customized mobile apps and integration services around Applied Telemedicine and Patient Relationship Management.

(Partners: Amazon Cloud, Google Cloud, Twilio, Salesforce HealthCloud, Epic EMR, Elation EMR)

Robin Health & TenorAI - Scribe Voice-Assistant

- Developed Business Associate Agreements and Consultation Contracts to service Healthcare Clinics and Startup customers
- Whiteboard Trainings on state-of-the-art AI models in the wild, brainstorm new applications into business units
- Custom Doctor-Patient Messaging with Push Notifications to a existing Mobile Application

Large Nurseline Call Center

- C-suite Strategy meetings to define priorities, timelines to figure out growth
- Call Center integration into Salesforce HealthCloud with Speech Recognition for auto-populated entries (Watson)
- Defined Business Logic in Salesforce Process Builder; Reminder Emails, Doctor's Notes, Appointment Follow Up
- Automated triage and ranking for Calling Patients, with personalized Today screen using Learn to Rank model

Machine Learning Engineer   **Dec 2015 - May 2017**

First Opinion, Inc. (acq. by CurAI)   San Francisco, California

Lead natural language processing team for early-stage Telemedicine product. Built end-to-end NLP pipeline Improved efficiency and turn-around time for medical staff and provided a better experience to our Customers.

<u>Innovation</u> (*Technologies Used: XGBoost, Keras, Scikit-Learn, NLTK*)

  Models Trained: Dialogue Acts, Intent Tagging, Predicted Categories, Predicted Abuse, Premium Upgrade

- Trained semi-supervised models over labeled Customer chat conversations and Doctors' notes
- Developed efficient LSA-based Word Vectorizer, dimensional reduction and clustering pipeline. Applied to prediction of medical severity; integrated into production to triage and prioritize feeds
- Developed Flagging system using Predicted Abuse, Predicted Premium Upgrade to alert Moderators
- Built Sponsored Messages Framework, AdWords-like tool to include advertisers' content into the message stream (Survey, Referral links). Used Customer Intent, Question Tagging, Dialogue Acts to improve click-rate
- Developed an Auto-summarization feature that captures key phrases from chat log into an Interaction summary; would be trained by historic summaries (see Reuters Summarization dataset)
- Tooling to extract keywords and effective responses for frequent patient queries

<u>Engineering</u> (*Technologies Used: Python2/3, Backbone.js, Marionette.js, WebSocket*)

- Launched a Customer WebApp, porting features from existing codebase. Now doing comparable volume of business to our dedicated iOS App. Complete with Payments and Video Messaging.
- Developed new features: offline saving of Medical Profile, tracking a Customer post-Consultation, auto-complete Doctor response

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NLP / Full Stack Engineer   **Feb 2015 - Dec 2015**

Argo Technologies Inc. *(acquired by Tableau Software Inc.)*   Palo Alto, California

Developed NLP-enabled business intelligence software platform using streaming data from SaaS providers, allowing non-data scientists to ask meaningful questions on the health of their business

  <u>Technologies</u> *Golang, AngularJS, OAuth Integration (Zendesk, Jira, Hubspot, Phabricator)*

- Implemented proprietary fork of CYK algorithm; advisor: computational-linguist Alex Djalali, Ph.D.
- Developed Natural Language Parsing Codebase to accept People, Places, Events question concepts, joining records across data pools. Became the very successful Knowledge Graph Platform.
- Developed SQL transpiler, taking NLP-modeled questions from Customer and generates complete SQL queries
- Developed Data Mining features for unstructured data, JSON-marshaled API Streams and columnar data
- Developed Browser-side Visualization library on HTML5 Canvas; including Server-side serialization code

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Technical Marketing Engineer   **Nov 2014 - Feb 2015**

Cisco Systems Inc., Marketing; Enterprise Routing   San Jose, California

Represented Cisco at Customer Engagements, Press Events and Trade Shows. Provided technical expertise with the roll out of a brand-new hardware portfolio. Giving extensive background on Cisco differentiation to Partners

- Managed about 100MM refresh and Greenfield deals for clients across all Cisco's key verticals: Government, K-12, Retail, Mid-size businesses and Service Provider
- Lead trainings and customer showcases to evangelize new product lines at Tradeshows and Product Engagements (Cisco Live SF/Cancun/Europe, Mobile World Congress Europe, Interop NY)
- Develop Whitepapers, VOD Content, Proof-of-Concept presentations, ordering guides and other Collateral
- Instrumental in regaining Gartner's Leaders quadrant with distinction for Vision and Execution against our competitors, with our new routing architecture with Akamai Partnership
- Presented at Executive Briefings for mid-size to Fortune 500s, delivering Cisco's value to their BD Goals

Sr. Software Engineer   **Jan 2011 - Nov 2014**

Cisco Systems Inc., Internet of Things; Adv. Solutions   San Jose, California

Bring up of Cisco's Connected Cars Router and Cloud management Portal, designed to aggregate Client Vehicle data, connect Fleet vehicles and generate end-to-end data analytics.

Technologies Used: Angular, MongoDB, Python, R, NeoCharts, Linux EBTables

- Designed multi-tenant data warehousing solution for data streams generated by in-vehicle sensors
- Developed Customer Dashboard for Service interval tracking, manufacturer events and data analytics
- Technical lead for GENIVI ISO compliance and liaison with service providers and OEM manufacturers
- Developed App Store to enable digital distribution of third-party apps on our car platform. Developed an SDK environment (using Yocto Linux), enabling developers to safety interact with the Vehicle

Undergraduate Researcher   **May 2007 - Jun 2008**

UC Davis, Department of Political Science   San Jose, California

Worked on Microsoft .NET application that analyzed International Relations dataset using novel Social Graph algorithms. Advisor: Professor Zeev Maoz

- Optimized matrix manipulation modules like basic Clique Extraction, Analysis of Cliques and Network Interdependencies
- Optimized data structures to handle large datasets, expandable to contain stepwise output for reports

ACCOMPLISHMENTS

- 2017 Medium.com Guest Writer for *Chatbot Life* featured publication
- 2017 True University Graduate, Design and Growth track
- 2016 EasyJS Open-source Committee contributor
- 2015 Gartner's Leaders Quadrant for distinction for Vision and Execution on Cisco IWAN Solution
- 2013 Hackathon Winner for Communication between AirGapped devices
- Investor for Vacation Rental startup, Series-A backed and doing 10K bookings/month
- Contestant for Netflix Recommendation Prize, implemented a superior SVD-based approach utilizing OpenCL technologies

EDUCATION

- BS Computer Science and Engineering, *University of California*, Davis, California
- Cisco IOS Development trainings, Global Communications training, Marketing trainings
- Scikit-Learn framework accreditation, XGBoost and Deep Neural Networks Kaggle badges

INTERESTS

Avid traveler, fixing motorcycles, playing the guitar, autonomous cars, sci-fi, archeology, distributed computing, developing on Arduino/ARM, FCC certified in Satellite Radio communications