Rajashekar
Chintalapati
Software Engineer

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📄 SUMMARY

I started my software engineer journey over 15 years ago. I have been working on various e-commerce platforms. I am interested in developing software applications and curious about new technologies and a constant learner.

⚙ SKILLS

Languages: Python, C++, C, Java, JavaScript, HTML, CSS, Bash

Concepts: Machine Learning, Deep Learning, Computer Vision, Shell Scripting

ML Frameworks: Pytorch, Tensorflow, Keras, ONNX, Scikit, Pandas, Numpy, Jupyter

Web Frameworks: Flask, Django, Express.js, Nodejs, CANjs, ReactJS, TensorflowJS, OnnxJS, Jquery, Tomcat, JBoss, Weblogic

DB Frameworks: SQL, PostgresQL, NoSQL, Oracle

Cloud: Kubernetes, Istio, Microsoft Azure, Google Cloud Platform, AWS, Torbit, Akamai

Other: Apache Airflow, CI/CD pipeline, Splunk, Docker, Jenkins, LaTeX, Vim, Emacs

🎓 EDUCATION

Masters in Computer Science (Jan 2006 - Dec 2007)

New Mexico State University, Las Cruces, NM, USA
Project: Concert Locator - Created web application with Google map to locate concerts and buy tickets.
`Java` `Jquery`
Research: Collaborative Virtual Environment - Created 2D Map of virtual environment of university so students can locate and interact together.
`Unicon` `SVN` `Bash`

Bachelors in Computer Science (2001 - 2005)

Anna University, TN, India

🖥 WORK

Walmart, San Bruno, CA / May 2013 - Present

Principal Sotware Engineer
- **Instock Alerts** - Alert user when item is instock.
  `Python` `Azure Functions` `Azure SQL`
- **Automation using Deep Learning** - A test automation tool is built on a Deep learning model. Model was trained on screenshots of sections of Samsclub.com website, using Pytorch. Trained and Deployed (using Flask) on GCP, this model is used to detect any UI issues. This Model is converted to ONNX and inference was done on NodeJS where test automation scripts run.
  `Pytorch` `CNN` `GCP` `Flask` `ONNX` `NodeJS`
- **Legato** - A merchandising tool was built which will be used to deploy items to the site. Used Airflow to migrate legacy data to a new platform (Django with PostgresQL). Support for bulk uploads, constant sync between legacy and new systems. Created complete CI/CD pipeline from dockerizing the application to deploying to cloud.
  `Airflow` `Django` `PostgresQL` `Docker` `CI/CD`
- **Service Subscriptions** - Subscription hub was created to show or subscribe to services like Hulu, Pandora and Showtime and will get a discount using Sams Club Membership. Proposed design on how to implement, provided architecture diagrams, documentation. Front End used ReactJS with NodeJS as backend.
  `ReactJS` `Java` `NodeJS` `Torbit` `Akamai`
- **Cashback** - Sam's Club users who earned cash back from Synchrony credit cards can be used to purchase online. Provided complete design and lead the team, done code reviews and done coding. Front End used ReactJS with ATG Java as backend.
  `ReactJS` `Java` `JBoss` `ATG` `Splunk`
- **Cart and Checkout** - Sam's Club cart and checkout legacy system was moved to new systems. Lead the team, Used ReactJs to develop a new UI. Provided a new backend API through Nodejs. Created CI/CD pipeline and deployed application in Azure Cloud used Kubernetes as orchestration container.
  `ReactJS` `NodeJS` `Azure` `Kubernetes`
- **Easy order** - An application built for bulk users, who can immediately purchase items based on past history or excel import. Developed UI using CANjs. Developed Backed API's using JAVA ATG Framework.
  `CanJS` `Java` `Jenkins`
- **Linux and ATG Migration** - Legacy servers are migrated from metal boxes to cloud. Worked on CI/CD pipelines, migration scripts to cloud. The legacy application framework is migrated to new versions. Worked on Oracle SQL migration scripts.
  `Oracle` `JBOSS` `Linux` `ATG` `VM`

Walgreens, Deerfield, IL / Feb 2011 - May 2013

Senior Software Engineer
- **Site Integration and Same day delivery** - Webpickup

site (webpickup.walgreens.com) is merged into main site (walgreens.com) by giving user the flexibility to select "ship to you", "pickup at store" and "Local delivery" (ship from store to user) fulfillment options in walgreens.com. Used Jquery for UI and ATG Java for backend.

`Jquery` `Java` `REST API` `Weblogic` `Oracle`

- **Geo Targeting** - Geo Targeting based on the user location to have a better shopping experience for users and to promote webpickup.. Did requirement analysis – sketches, wireframes, functional and BR analysis. Did proof of concepts to know whether requirements are feasible in the current environment.

`SOAP` `Java` `ATG` `Ant`

- **PayPal Enhancements** - To optimize the customer checkout experience and for secure payments, PayPal API's are enhanced. This project is to leverage those enhancements for express checkout in Walgreens. Used Jquery for UI and ATG Java for backend.

`Java` `Jquery` `ATG` `Weblogic`

AT&T, Bothell, WA / May 2008 - Jan 2011

Software Engineer

- **CA Migration** - Migrate merchant software from ACC to ATG Merchandising Tool. Setup Dev, QA, Prod CA Environment. Customized out of the box ATG BCC as per requirements.

`Java` `ATG` `WebLogic` `Solaris`

- **Weblogic Migration** - Upgrade the AT&T Business Portal from ATG 2006.3 to ATG 9 and to the supported platform. Migrated jsps with JBOSS Migration Tool to remove double quotes within double quotes. Migrated datasources and transaction manager from ATG to Weblogic

`Java` `ATG` `Oracle` `JSP`

- **Premier Recommendations** - Provide an opportunity for B2B customers. To explore and purchase the most popular products and services recommended by AT&T Mobility in the Premier Online Store. Implemented complete end to end using Jquery and ATG Java.

`Java` `JQuery` `Oracle` `SQL`

▢ OTHER PROJECTS

- **Wake Word Detector** - A open-source custom wake word detector, which will take audio as input and once the sequence of words are detected then prompt to the user.

`Pytorch` `CNN` `Flask` `TensorflowJS` `AWS`

- **Machine Translation** - Created Model to translate Hindi to English using Dakshina dataset.

`LSTM` `Seq2Seq` `Encoder-Decoder` `Keras`

- **Image Classfication** - Created and deployed model to classify Images using cifar dataset.

`GCP` `ONNX` `Pytorch` `CNN` `Computer Vision`

- **TV Script Generator** - Model to generate TV script, used Seifeld dataset.

`NLP` `LSTM` `Pytorch`

- **Face Generator** - Model to generate fake faces.

`GAN` `Pytorch`

★ AWARDS

- **Walmart Innovation Jam CREAM award** - Implemented Customer appeasement application, used **Random Forest** Machine Learning on users past data to know by what appeasements, users can stay as member instead of losing membership.
- **FourthBrain Top Project Award** - Implemented Custom Wake word detector using **CNN, TensorflowJS, Pytorch, ONNX, AWS, Web Sockets**.

⚙ CERTIFICATES

- **Machine Learning Engineer (2021)** - FourthBrain
- **Deep Learning (2021)** - Udacity
- **Machine Learning (2020)** - Coursera
- **Machine Learning Engineer (2020)** - Udacity
- **Machine Learning Introduction (2020)** - Udacity
- **AI Programming with Python (2020)** - Udacity
- **Getting Started with GKE (2019)** - Coursera
- **Java Developer (2019)** - Udacity
- **Mobile Web Specialist (2019)** - Udacity
- **Front End Web Developer (2019)** - Udacity
- **Full Stack Web Developer (2018)** - Udacity
- **React (2017)** - Udacity