

# Harini G Balakrishnan

## OBJECTIVE

Seeking challenges in Software Engineering to leverage my technical knowledge and professional expertise

## EDUCATION

**Master of Science in Software Engineering**, San Jose State University August 2017 - May 2019  
**Courses:** Cloud Technologies, Machine Learning, Enterprise Software Platform GPA: **3.80/4.0**

**Bachelor of Technology in Information Technology**, Anna University August 2010 - May 2014  
**Courses:** Data Structures, Operating Systems, Web and Mobile Technologies GPA: **3.63/4.0**

## TECHNICAL SKILLS

**Languages:** Python, Java, JavaScript, HTML, CSS      **OS Platforms:** Linux, Mac, Windows, Android  
**Frameworks:** Angular, React, NodeJS, Spring Boot      **Methodologies:** Agile, Scrum, Kanban, TDD  
**Databases:** MySQL, PostgreSQL, MongoDB, Redshift      **ML Libraries:** Pandas, Numpy, NLTK, SKlearn

## WORK EXPERIENCE

**Software Engineer at Incedo Inc, CA, USA** August 2019 - present  
(**TECH STACK:** PYTHON, YAML, SHELL, AWS, ECR, SAGEMAKER, SERVERLESS)

- Working in the product team, responsible for operationalizing ML-driven development pipeline
- Effectively engineered ETL process and infrastructure automation on-premise and on cloud
- Led a team of three to build product installation framework with end-to-end scripting

**Software Engineer Intern at Grabit Inc, CA, USA** May 2018 - August 2018  
(**TECH STACK:** NODE.JS, JAVA, PYTHON, ECLIPSE, TABLEAU, POSTGRESQL, SVN)

- Responsible for building high performance based distributed robotic system software product
- Developed robots' performance dashboards with continuous monitoring and alerting services

**Software Engineer at CEM Business Solutions, INDIA** November 2013 - August 2015  
(**TECH STACK:** X++, HTML, JAVASCRIPT, MICROSOFT DYNAMICS AX R3, AGILE)

- Designed and built backend services for enterprise-level Microsoft Dynamics ERP modules
- Responsible for developing dashboards, trouble shoot, debug and performed Black-box testing
- Wore a hat as a Front End Architecture, diagnosed functional issues and designed solutions

## ACADEMIC PROJECTS

**EZmenutouch** — Angular4, Java, Python, RDS-PostgreSQL, Docker, Kubernetes, AWS, S3, GitHub  

- Developed a RESTful cloud native SaaS application to provide virtual dine-in experience
- Reduced latency by 50% with CloudFront CDN, ELB load balancer and ECS auto-scaling
- Configured CloudWatch to monitor the logs, Lambda function and SNS notification service
- Constructed secured microservices architecture with Multi-AZ, IAM, AMI and API gateway

**S3URL** — Bootstrap, MVC, Java, JSON, HTTP, DynamoDB, AWS, GKE, ELK, Docker, Grafana, Jenkins  

- Built a URL shortener 3-tier web application with continuous integration and deployment
- Deployed on Google Kubernetes Engine with Ingress load balancer and Cluster Autoscaler
- Used Elasticsearch search engine plugin, and visualized cluster-wise traffic using Kibana
- Configured plugins like Prometheus for monitoring, PagerDuty for alerting and visual Metrics

## HACKATHON

- Built a disaster resilient IoT-based mobile application to track and rescue pets/people. Won the **First Prize and the best hardware project award** in the **Call for Code IBM Hackathon in 2018**. ([Link](#))

## PUBLICATION

- Published a research paper on Vision Acuity Test ([Link](#)) in the IJSCAI - IRAJ journal in May 2014

## CERTIFICATION

- Certified Cloud Practitioner in Amazon Web Services - Cloud Technologies since January 2018
- Certified in HTML5 and CSS3 from the University of Michigan at Coursera since September 2016
- Gained 20 weeks of coding bootcamp training at Dev bootcamp, San Francisco in January 2017