Kaushik Sampath

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EDUCATION

Master of Computer Science | Arizona State University, Tempe   Aug 2018- May 2020 | GPA 3.40/4
Bachelor of Technology (IT) | Anna University, Chennai   Aug 2012- May 2016 | GPA 8.75/10

SUMMARY

Passionate **Full-Stack Developer with 2+ years of professional experience** in object-oriented programming. Proficient with architecting solutions on **AWS Cloud**. Experience with **DevOps** and a zest to learn new technologies.

TECHNICAL EXPERTISE

Languages: Java, C#, JavaScript, Python, C++, C, HTML & CSS, Bash, PowerShell
Databases: SQL (MySQL, ORACLE, Postgres, SQLite), NoSQL (Redis, Mongo, Firebase)
Frameworks: .NET (WCF, Web API 2, WPF & WinForms), Bootstrap, J2EE (JSP & Servlets)
Libraries & Tools: jQuery, Json.NET, Quartz.NET, log4net, AWS .NET SDK & CLI, Boto3, Git & SVN, Agile & Scrum, Bugzilla, Docker, Swagger, Elastic Search & Kibana, JUnit & Selenium IDE
AWS: Ec2, Elastic Beanstalk, VPC & NAT, Route53, Lambda, API Gateway, RDS, S3, Lambda@Edge, SQS, IAM, SSO, CloudWatch, SNS, SES, CloudTrail, GuardDuty, SSM and Secrets Manager.

WORK EXPERIENCE

Intern | CYR3CON, Tempe   Feb 2019 - Present
Developed & deployed automations for rolling Ec2 backups, periodic health status notifications for AWS cloud resources, CloudTrail insights visualization. Improved organization's security practices on the cloud.

Software Engineer | LeadSquared, Bangalore   Jan 2017 – Jul 2018
Developed marketing activity management features for the LeadSquared Web Platform, which is used by 10000 users daily. Built the DevOps Infrastructure for LeadSquared, integrating with AWS APIs, including customized Auto-scaling, production monitoring web dashboards and reporting systems. Improved developer efficiency by reducing time taken on deployments by 40%.

Associate Software Engineer | LeadSquared, Bangalore   Jul 2016 – Jan 2017
Completed a 3-month rigorous full-stack training in .net and developed features for the LeadSquared's Tenant Management Platform.

SELECT PROJECTS

Rolling Ec2 Backups [Python, Js, Bootstrap] - A web app plugin for Mattermost with a long running service built to manage ec2 backups efficiently. The app provisions new backups by schedule and clears backups by retention policy.

Health Status Notifications on AWS [C#] - A Lambda service written in python to query health metrics for Ec2s, Elastic Beanstalk Apps, SQS and present a periodic graphic report to stakeholders by AWS Simple Email Service.

Healthcare Data Mining [Js, Bootstrap]- A semantic web mining project, that mines for symptoms from scraped WebMD discussion forums and presents a web UI for searching related symptoms to diseases and fetches relevant discussions. URL: https://github.com/coda-nsit/shallow-mining/tree/master/UI

LsqBot [C#] - LeadSquared's private skype bot built with the MS Bot Framework, for hassle free agile deployments.

Customer Management Site (CMS) [C#, ASP.NET, Js, Bootstrap] - A 3-tier .net web app for records management with MVC Web App Layer, WCF REST Layer and MySQL Data Layer. URL: https://github.com/KaushikScorpion/CMS

Vision Assist: A Computer Based Vision Aid for the Blind [OpenCV, C++, Python] - Converts the world around the visually challenged into an audible experience. Uses a Haar Classification based ML approach. Coded in C++ leveraging OpenCV framework. Targets Raspbian on a Raspberry pi 2 Pocket PC.
Award: Best Student Project, 2016, CIT, awarded by the **Tata Consultancy Services.**

NFC & Bluetooth Enabled Hybrid Access Control System [Arduino, Java]- Engineered a unique Arduino powered door lock, accessible by NFC tags & Bluetooth. NFC tags can be (re)programmed from the lock's Android App.
Publication: "Bluetooth and NFC Enabled Contactless Access Control System" in **"SciEXplore: International Journal of Research in Science"**, Vol 2(1), 1-6, January-June 2015. ISSN: 2350 0999.
URL: http://www.i-scholar.in/index.php/sijrs/article/view/80084
Award: First Prize, Project Fest, 2015, CIT Research & Development Forum.