

## SUMMARY

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Detail-oriented, team-player and creative problem-solver software engineer with 8+ years professional experience in software product management and systems development life cycle (SDLC). Solid mathematical knowledge with experience in designing and developing comprehensive and complex algorithms. Proven ability to learn, customize and utilize emerging technologies and research methods. Strengths include:

- Software Design & Architecture
- Agile Software Development
- Scalable Distributed Systems
- Machine Learning
- Algorithm Analysis & Design
- Database Design & Development

## EXPERIENCE

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- **eAudit** Greenville, NC  
*Lead Software Engineer* *Jan. 2017 - Present*
  - Designed and developed a shipping optimization and predictive tool based on user interaction analysis that resulted in an 8% increase in the company revenue through increasing customers engagement.
  - Lead a team of engineers in upgrading existing business logic to address changes in small parcel industry.
  - Assist with the interviewing, hiring, and training of software engineers.
  - Work directly with marketing and sales teams in designing new features/plugins to address new market demands.
  
- **eAudit** (startup) Greenville, NC  
*Senior Software Engineer* *Oct. 2013 - jan. 2017*

Joined eAudit as its first software engineer to design and develop a scalable, multi-tenant and secure shipping audit and optimization platform. Managed complex system architecture and the complete life cycle of 9 subsystems in Agile Scrum processes. This platform currently processes over \$1 billion dollars of shipping annually and has transformed eAudit into one of the top logistics companies in its market. Some of projects and accomplishments are:

  - Designed and developed a scalable, fault-tolerant and high performance distributed processing system to process over a million shipping records daily using Amazon EC2, SQS and SNS.
  - Developed two API-Centric web applications for end users and system administrators. Admin dashboard includes real-time monitoring and management of all components and subsystems.
  - Implemented a robust and secure billing and invoicing system to handle eAudit's complex invoicing options; Integrated with Quickbooks and AuthorizeNet.
  - Designed and developed a high performance adhoc report builder which included an intuitive web user interface.
  
- **Department of Computer Science, East Carolina University** Greenville, NC  
*Instructor* *Fall 2012 and Fall 2014*
  - **CSCI 3200:** Data structures and their applications
  - **CSCI 1001:** Introduction to computer science
  
- **Technology Innovation Lab, East Carolina University** Greenville, NC  
*Research Assistant* *May. 2011 - July. 2013*
  - **UInterestManager:** Conducted research on extracting user interests from text documents and managing user profile using domain ontologies. I further developed this framework on to a cloud computing environment.
  - **Smart News Feed:** Designed a novel ranking algorithm and developed a feed reader that provides classification and ranking features for users. The system categorizes incoming news feeds that considers user preferences and sorts them based on relevancy to each topic.

- **Cactus Data Processing Co**

- *Co-founder/CTO/Software Engineer*

Arak, Iran

*Jan 2007 - May 2011*

Co-founded a software company to develop a Computerized Maintenance Management System (CMMS) for IT departments. My responsibilities involved leading all aspects of the companys technological development, including building and managing teams, research in studying technologies and contributing to development processes. Products that were developed include:

- **IT CMMS:** Contributed in developing a Computerized Maintenance Management System for IT departments.
- **eForm:** an electronic form management system including WYSIWYG form editor, user management and report builder.

## SKILLS

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- **Programming/Web Development :** C#.Net, Java, Python, PHP, Javascript, HTML 5, CSS 3
- **ML Packages/Tools :** scikit-learn, Accord.Net, WEKA
- **Databases :** PostgreSQL, Amazon Redshift, MySQL
- **Infrastructure/Tools :** Amazon Web Services (EC2, SQS, SNS, Lambda, S3, VPC, Kinesis, QuickSight) , Git, Jira
- **Design/Concepts :** Distributed systems, OOP, RESTful Web services, MVC, MVVM, TDD, SOA

## EDUCATION

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- **East Carolina University** Greenville, NC
  - *Master of Science in Computer Science, concentrations in Machine Learning GPA: 4.00* *May. 2011 - July. 2013*
  - Selected as the **Outstanding Computer Science Graduate Student**
- **University of Tehran** Tehran, Iran
  - *Bachelor of Science in Computer Engineering, concentrations in Software Engineering* *Sep. 2005 - Sep. 2010*

## CERTIFICATES

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- **AWS Certified Solutions Architect**
  - *AWS Certified Solutions Architect - Associate Level* *Mar. 2017 - Mar. 2019*