Roseville, CA. 95678
US Citizen

BAHRAM POURTAHERIAN

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- Software developer with 7+ years of experience in software development and over 11 years of experience in programming
- Extensive knowledge of entire Software Development Life cycle including requirement analysis, design, development, test, build and deployment.
- Expert in developing web applications using JavaScript stack including NodeJS, Meteor, ReactJS, VueJS, Blaze, HapiJS, PhantomJS, NPM, webpack, etc.
- Design and architecture of new Web Applications to meet strict scalability and security requirements.
- Expert in developing applications using .NET stack including C#, MVC, Webforms, Web API, Entity Framework.
- Expert in using SQL and NoSQL, MS SQL, DB2, MongoDB, PostgreSQL
- Expert in using HTML, CSS, Bootstrap, SASS
- Experience in developing applications using Java stack including core Java, Spring, Hibernate (ORM), JDBC, JSP, XML and Web Services
- Experience in Linux and Cloud deployment, Nginx, Docker, etc.

WORK HISTORY

Senior Full Stack web developer   *Mar 2015 to Present*
Franchise Tax Board   *Sacramento, CA*

Public Facing Applications Group.

- Sole developer of CalFile application (State of California free version of Tax Filing application (like TurboTax) that is used by 200,000 Californians each year).

  o Used .NET MVC framework to rewrite the application from scratch from web forms. CalFile consists of 80 pages of mostly forms, which are heavily validated with business rules and tax logic to determine flow of the application.
  o Developed a Validation library on top of .net MVC to standardize validation and error message handling for all Franchise Tax Board applications.
  o Developing complex SQL queries, Stored Procedures, functions and packages, tables, and views. Creating multiple types of joins, data connectivity and data integration of MS SQL.
  o Generated tax return pdf from user input using iText.
  o Made CalFile application fully accessible for WCAG 2.0 standard.
  o Maintained CalFile for the past 3 years during annual changes to make it compatible with the new tax laws.

- Sole developer of INC application, an automatic demand resolution application for non-filers.

  o Implemented very complicated business logic to determine which case to close, based on user input and case situations.
  o Developed using .net MVC from scratch. INC consists of 40 pages of data gathering forms.

- Sole developer of Wait Time Dashboard, an application that informs the website user of the wait time.

  o Single Page Application written in VueJs for the front end.
  o It updates the wait time every minute on client.
  o It has a standalone admin tool, which lets business change all the texts on the application, without the need for contacting IT or deployment.
  o Developed .Net Web Api web service and a windows service to call IVR servers to get the wait times.

Court Order Debt Software Group

- Maintained and Developed new features for a big complex Java Application
- Maintained and Developed batch jobs to process millions of records on a daily basis using Java. Spring framework, JDBC and JSP
- Re-architected part of batch jobs and reduced the running time from 5 hours to 10 min
- Fixed the application to prevent major deadlocks in the DB saving hours of batch processing
- Transformed business logic into complex SQL queries in order to optimize querying capabilities and provide near real time response to public-facing Web API calls.
- Developed Web Applications using JSP and CSS for internal apps
- Front-end development using JSF, JSP, HTML, CSS, jQuery, and AJAX
- Spring MVC/IOC framework utilization, with RESTful services
- Developed back-end code with Java, JMS, XML, JDBC, Hibernate, and MySQL

Part-time Consultant   *Oct 2018 to Present*
GeneDrop   *San Francisco, CA*
- Helped to develop and maintain Lucid, a sequence alignment viewer.
- Added ability to stream 100+ GB files over HTTP and FTP instead of downloading.
- Created an Ubuntu package that uses a Docker image to distribute Magnolia, a trainable variant caller for gnome sequencing.

Research Assistant   *Jan 2012 to May 2013*
California State University Northridge   *Los Angeles, CA*
- Worked at EDA/ASIC Lab at CSUN, researching FPGA design methodologies and tools

Software developer   *Jul 2008 to May 2010*
Farineh   *Tehran, Iran*
- Developed and maintained Farineh HMI, a windows application that let user draw Human Machine Interface for Farineh PLC system using .Net and C#.
- Developed common component library for Farineh HMI for different industrial components.
- Developed database functions, stored procedures and views using MS SQL Server and MySql.

Major Side Projects

3D Viewer For Trello
3D Viewer is a Power Up for Trello that allows users to view and interact with their 3D objects in the browser and eliminates the need to download and open the file in a separate software.

- Written all in JS using Trello API and Three.js

Comment On Image For Jira
Comment on Image is an Add on for Jira that lets users directly comment on images of the issues.

- Backend is in Node(HapiJs). DB is MongoDB.
- Frontend is in VueJs, using canvas and KonvaJS.

Jan 2016 to Mar 2017

AdSentence is an AdWords tool that scraps Google every hour and collects all the ads shown on the page. It shows data in charts and tables.

- Scrapes Google every hour with NightmareJS and collects the Data and put it into PostgreSQL DB.
- Backend is written in HapiJs, retrieves and processes the data from DB and sends it to frontend.
- Frontend is in VueJs and Bootstrap. It shows the data in nice charts, and tables.
- Authentication with Google OAuth.

CoWriteStory   *Jan 2016 to Mar 2017*

CoWriteStory was one of the side projects I was working on. The idea was to create a platform for people to cooperatively write stories.

- Developed frontend and backend of the application using Meteor (NodeJS backend and BlazeJS frontend)
- Used MongoDB to design database with fast and complex queries
- Designed and developed pages using HTML, CSS, Bootstrap, SASS, etc.
- Set up my own MongoDB cluster (3 redundant nodes) with Docker on cloud
- Set up NginX load balancer
- Developed and set up the application using Docker on cloud

EDUCATION

Master of Science in Computer Engineering   *May 2013*
California State University Northridge,   *Northridge, CA*

Project**:** Vehicle speed detection with traffic camera with image processing using Xilinx FPGA

Bachelor of Science in Electrical Engineering   Dec 2009
Qazvin Azad University   *Qazvin, Iran*