Arutyun Pashayan

SR. BACKEND DEVELOPER

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Email
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Address

Los Angeles, CA

Objective

Arutyun is looking for a position where he can gain useful experience, expand his knowledge, and contribute his skills to improve the lives of the users.

Technical Skills

- Experienced in: Computational Math, Driver programming for A/V Codecs, RFID, hashtables, data structures, Hardware quality asurance, POE, serial to ethernet, UART, some GPU computing, porting C Math/Physics code to Nvidia CUDA GPU SDK, C, ASM, Java, Matlab, Mathematica, Shell Scripts, basic OpenGL, basic C#, some Visual Studio 2005/2008, Eclipse, DevC++, Vim, Emacs, UNIX Console, UNIX, OSX, BSD, Linux, OpenOffice, Excel, Power Point, Windows,Networking, Linux Clustering, Distributed Computing, Physics, Mathematics, Logic, HTML, CSS, Nagios 3, RedHat Enterprise Linux, Centos 5 and 4, Debian and of couse Ubuntu based on Debian, Gentoo Linux, Routing, Firewalls, Switching, Load Balancing, Virus Removal, System Optimization, Network Cable Testing with Sinusodal Waves. Recently expert experience in Ipv6, Bind DNS Server, Ipv6 Tunnels, VirtualHosts, ParseServer, NodeJS, React, iOS Apps and iPhone SDK experience.

Education

2008   UCSC,
          Santa
          Cruz, CA

University of California, Santa Cruz
- B.S. in Astrophysics
- B.A. In Computational Mathematics

Computational Math Final: The fastest Mandelbrot set generating algorithm in MATLAB with a GUI. So far it only has zoom capability on the Real Number line.

Astrophysics Thesis: Proofs regarding hyperspherical, spherical, hyperbolic and flat De Sitter space Reimannian manifold embeddings required for geometrical line element modeling

Work Experience

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February 2019 - Current
Los Angeles, CA

GYPSEE Inc.

https://www.gyspee.travel
- Maintain AWS EC2 EBS nodes
- Develop Web Backends in NodeJS for ParseServe for Android iOS App Api Server
- Develop Newer Data Structure than previous App

July 2018 - February 2019
Los Angeles, CA

Evolve on AppStore and Android

https://www.evolvehealth.io
- Maintain AWS EC2 EBS nodes, and Heroku
- Develop Web Backends in NodeJS for ParseServe for Android iOS App Api Server
- Develop Data Structure
- Database Administration
- App Security and Push Notifications
- Parse Server backend cloud code (Android/iOS Receipt verification etc)

January 2018 - June 2018
Los Angeles, CA

BPM Sport

https://www.bpmsport.com
- Maintain AWS nodes, and VmWare VirtualServers
- Develop Web Backends in PHP/JavaScript
- Migrate Magento 1 -> Magento 2
- mySQL Database backup automation and data migration
- Css3, custom pure JavaScript (No Cheating)
- CentOS -> Debian Migration, I pref Debian , both are secure though
- VirtualMin / Webmin

July 2017 - January 2018
Santa Monica, CA

ClickTool Inc.

https://clicktool.com

Position: CoFounder/CTO/Lead Developer/Security/System-Admin
- Maintain AWS nodes, and 100s of Digital Ocean droplets
- Develop Web Backends in NODEjs for Marketing
- Develop or Modify Frontends using JS/CSS3/SCSS/
- Interact with Large sets of Data and store in the Cloud
- Store Large Sets of Data Securely and Efficiently
- Maintain Server/Software Integrity and Security (Lots of

Work Experience

Continued

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September 2016 -
June 2017

Beverly Hills, CA

Athletic Propulsion Labs, LLC

athleticpropulsionlabs.com

Position: Lead Web Developer/Sys Admin/Programmer

- Maintain AWS Node
- Modify and Patch Magento 1.9.3 Community Edition
- Work with CSS3 Flexboxes/PHP/JavaScript
- Migrate Database from 1.9.3 of Magento to 2.0+

May 2016 -
July 2016

El Segundo, CA

At Games Cloud Holdings Ltd.

atgames.net

Position: Field Application Engineer, Sys Admin/Programmer

- Maintain a 100+ AWS Nodes
- Write NodeJS Code to Load Balance RTMP servers and integrate into custom MPEG server
- Stream Low Latency Audio using Mp3 100-1000ms
- Stream Low Latency Video 100-1000ms mpeg/rtmp
- Arm Based Clusters (Foxconn Boards) 32bit
- Network Security (TLS 1.2) and Scans using Metasploit and etc
- Got us Contract with Sony Games using my Prime Numbers and hence Security Knowledge
- Got us Contracts w TellTale Games for Low Latency Game Streaming (I created) and Walmart
- Websockets, Web Standards Expert, WebRTC and WebAudio

October 2014 -
May 2016

El Segundo, CA

Position: Science Writer, Programmer, System Admin basically and IT Iron Cove Solutions

- Program Google Maps API with respect to a DB of Matches persay People Addresses Number
- Second Edition of Dr Mohit's book on Amazon Thermoinfocomplexity
- AWS Cloud Services
- Argus
- Windows Server 2008

Work Experience

March 2014 - October 2014

Los Angeles, CA

Senitron Inc.

http://senitron.net/

Position: Directory of Technology, Hardware Design/QA, Driver Programmer, System Admin/Build

- Maintain a Network and PostgresSQL Database
- Write Driver for r2000 based RFID chip for Linux
- Write Hashtable in C to Store EPCs from RFID
- Repair Hardware and Computers
- Maintain Backups and Update external and internal servers
- Analyze Large Data sets using custom software written by me in C
- Develop and diagnose new hardware that supports POE to interface with R2000 board and send data from Serial over TCP/IP to my own custom software using Debian Linux

August 2012 - March 2014

Glendale, CA

JTM Geotechnical Engineering

Position: Directory of Technology, Programmer, System Admin basically and IT

- Maintain a Network and Database
- Repair Hardware and Computers
- Maintain Backups, esp of customer data sets
- Analyze Large Data sets using software for Shear geology
- Maintain SHEAR software and update for civil engineering projects

August 2012 - March 2014

*Bulk **BeefJerky.com**

*Bulk **Steak.com**

***RedOxJerky.com**

***Sodapopinc.com**

Position: Directory of Technology, Programmer, System Admin basically and Marketing

- Postion: Directory of Technology, Programmer, System Admin basically and Marketing
- Coded in LAMP, PHP, MySQL, Fixed SQL Dbs of 1000-10,000 entries
- Customized Magento
- Build Virtual Min server for SEO and e-Commerce
- Wordpress Seo Blogs

Work Experience

Continued

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**January 2009 -
April 2012**

Spiritual Quest LLC.
- *spritualquest.com
- *tibetansalts.com
- *yoursaltlamps.com
- *billboardmama.com
- *worldwideholistics.com
- Web Development with Graphic Design. Php/CSS/HTML and Scripting
- Remote Linux System Admin and in-House windows Admin,
- GoDaddy, Dedicated Virtual LAMP Server with Custom ZenCart Modifications by myself
- Google Ad and Analytics, SugarCRM, content Management and Search Engine Optimization

**October 2008 -
November 2008**

pr-sol.com
- Under temporary contract at www.pr-sol.com
- Pragmatic Solutions
- Fixed infected computers
- Optimized Network
- Modified Gui for AADeployClient
- Created Modified Gui for ArcaDeployClient

**April 2006 -
July 2006**

scipp.ucsc.edu
Position: Computer Technician and Engineer
- Helped cross compile code for Xilinx full sized fpga unix computer.
- Fevelopment of asynchronous logic code for Xilinx for muon detectors for the A.T.L.A.S. Project.

**January 2005 -
April 2005**

ic.ucsc.edu/services/fitc_lab/
Position: Student Programmer
- Wrote a unix shellscript through cgi to e-mail professor's website submissions to his e-mail
- Worked with professors, faculty and teaching assistants.
- Staff support to enable the creation and development of multimedia course materials.

**September 2004 -
January 2005**

leeps.ucsc.edu
Position: Work-Study Programmer in Training
- Learned some Java code behind game theory simulations (double auction markets, etc..)
- Setup macintosh lab used for case studies

Work Experience

September 1999 - June 2003

e-rackets.com

Position: IT, Linux Server Admin, Technician

- Managed OS 9 Server, and OS X server when it was first released
- Managed roaming profiles on windows clients with samba server on Linux
- Built, Diagnosed and Repaired computers in the labs.
- Independent Study Time, where I thought myself Javascript.

Freelance

Technologyforce.com

- Fix Hacked Server
- Update Scripts
- Update and Fix Plesk
- Sys Admin

Freelance

Mandt Entertainment

- Code up Program for Scoreboard (like Jeopardy) for THE CAR SHOW on Speed Network with Adam Corolla
- Fix the Network
- Work on Movie Related sites such as: thefriendship.us, getchemicalpeeled.com

Skills

Personal

Communication

Leadership

Management

Organization

Negotiation

Planning

Professional

Communication

Leadership

management

Organization

Negotiation

Planning

Interests

Cycling

Travelling

Music

Vlogging

Photography

References

Hank Braxten @ Mandt - (303) 638-2825

Andy Tashchyan @ JTM Geotechnical Engineering - (323) 533-8833

JTA @ Senitron - (626) 695-7385