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Objective

Software engineer looking for the opportunity to contribute and learn. I enjoy working at every level of the stack.

Experience

Software Engineer – Private Financial System Consultancy
Jan 2020 - Present

Financial sentiment analysis, Parsing records, Bots, Search, Created interfaces.

- Created tools and general problem-solving ground-up engineering.
- Design features, write requirements, maintain features, bug fixes.
- Built bots that scan financial documents and chat messages for sentiment analysis. Parsed websites forums, took screenshots of browser elements, interfaced with different APIs, and added data to a model. Implemented caching strategies.
- Created Discord bots, used Markov chains for sentiment analysis in Financial environments.
- Linux.
- Front-end development. web-apps, node, bots, back-end tooling, lockless queues, Markov chains.
- Tooling was Browser, Node, C, C++, Linux, Assembly, bash script,

Senior Software Engineer & Front End Application Developer – Bricata
Oct 2017 - 2020

Network threat detection and threat hunting.

- Network threat detection and threat hunting.
- Scrum environment. Weekly stand-up meetings and JIRA tickets and 2-week sprints.
- Virtualized Debian environments.
- Node, C++, GO
- Cross-platform environment Frontend and Server.
- Backend included Redis, Elasticsearch, and PostgreSQL, RESTful web services written in GO.
- The user interface was proxied through apache
- Frontend technologies angular and vanilla Js interface, visualization using the D3 framework.

Full Stack Developer & Front End Engineer – Comtech Telecommunications Corp VirtuMedix
Sep 2015 - Oct 2017

VirtuMedix® telehealth platform. Allows doctors and other caregivers to virtually interact with their patients either on a mobile device, a web portal, or a telephone.

- Weekly stand-ups, JIRA tickets, and 3-week sprints are used for collaboration.
- Tooling included MongoDB, Elastic search, RESTful web services.

- Frontend Angular and Bootstrap.

- WebSocket, Stripe, Open-Tok multi-layout, VoIP WebRTC, Open-Tok signaling API, and WebSocket.

- Front and Backend work, with a focus on scaling up and expanding the Frontend functionality and inter-compatibility with subscribers

Full Stack Developer-- Wandri Fitness Platform & Medical

Jan 2013 – 2015

- Node with express server to power the backend API and serve up the frontend app.
- Google Cloud SQL to store user IDs, emails, location, scheduled workout times, workout metadata, chat conversations, and other profile sensitive information, and to run scheduled tasks using cron jobs.
- Google Cloud SQL in conjunction with mean stack to communicate with an express server, to populate user data for a web interface on MongoDB.
- Google mirror API to interact with users using static cards.
- Twitter bootstraps, boots Plus, Angular Material, and Ionic.
- custom API's using express, mongoose, jwt-simple, body-parser, and passport
- Used SASS, and Jade design frameworks.

Product Design & Front-End Engineering & Consultancy – Acorales, Irvine, CA

Jan 2010 – 2013

- Used PHP frameworks like Drupal and python frameworks flask for back-end services.
- Designed an email authentication template using ink, Node Mailer & SMTP.
- Implemented CSS media queries and animations.
- Designed D3 map visualization by marrying government data with geo-JSON.

Developer – Estate Design, Corona

Mar 2009 – May 2010

- Developed site with WordPress.
- Modified site with JavaScript, and PHP.
- Developed e-commerce payment gateways. Developed a double opt-in registration system.
- Developed a User-friendly online inventory management database.
- Developed a multi-product display manager and e-shopping cart.

Technical

Experienced with: Node (Client/Server/Data-Structures/ML), C++(Data-Structures, Native Node), Go (Server),

Web: REST/JSON/MQL, peer to peer (with WebRTC), Socket.io, UDP, TCP, OAuth2, Fetch

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Databases: MongoDB, Document DB Database Design, Redis

Version Control: GitHub/Bitbucket.

Deployment environments: AWS Lambda, AWS Docker, Docker Cloud, App-Engine, Heroku, Compute Engine (microservice architecture), Heroku, Docker (microservice swarm architecture), Nginx (proxy routing, load balancing, and networking static caching and data caching)

Education

The University of California, Los Angeles (UCLA), B.A, Linguistics & History

2004 - 2008