

Curiosity-driven, detail-oriented, passionate software engineer looking to share ideas, solve problems, and drive innovation alongside other creative, forward-thinking industry professionals.

Languages & Frameworks

- Node.js, Ruby on Rails, React
- JavaScript, jQuery, Ruby, HTML, CSS, SQL, Cloudant NoSQL, MQTT, L^AT_EX

Soft Skills

- Organized and detail-oriented
- Critical thinking and creative problem solving
- Collaborative group work

PROFESSIONAL EXPERIENCE

Software Engineer

Mar. 2020 - Jun. 2024

Meta Platforms Inc ("Facebook"), Menlo Park, CA

Member of online video portal team delivering web-based video streaming to Spectrum customers.

- Social Platform Ship Captain.
- CoPresence Dive Tool.
- PlayTest Host.
- Dialogs OS – SP 2x improvement in ship time.

Software Engineer

Mar. 2019 - Jan. 2020

Charter Communications, Denver, CO

Member of online video portal team delivering web-based video streaming to Spectrum customers.

- Help architect new content management system leveraging React factory pattern.
- Update existing API's as part of transition from Adobe Flash to DASH streaming protocol.
- Member of small team responsible for delivering new offer tactics and purchase experience.
- Implement analytics for browser interaction across various app components, add analytics for dynamic ad insertion for video playback.
- Assist in migration from Angular I to React.

Software Engineer

Aug. 2015 - Jan. 2019

IBM, San Francisco, CA

Built and deployed applications for enterprise and startup clients on the IBM Cloud platform using agile and test-driven development practices. Collaborated directly with UX and UI designers to facilitate agile feedback cycles for client engagements.

- Developed package tracking system using Message Queuing Telemetry Transport (MQTT) communication protocol for startup client using React/Redux for real time location updates displayed via third-party mapping API.
- Led development team in coordination with Fiat Chrysler and Panasonic for implementation of voice command system using Watson Conversation service, presented at CES 2017 in Las Vegas.
- Built application dashboard integrating IoT device information for Kimberly Clark intelligent washroom project.
- Developed and analyzed social media content for prototype project for the Bank of Chile built with React/Node.js for dynamic UI updates and scheduling API requests.
- Consulted with American Airlines for project relating to new European Union data privacy requirements and assisted in interviewing candidates to sustain project longer term.
- IBM Certified Application Developer - Cloud Platform V1

Alex Emrie

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Full-Stack Developer Student

Jan. 2015 - June 2015

Galvanize, Boulder, CO

Completed intensive developer program over the course of 24 weeks. Learned computer science fundamentals and established proficiency in building production quality front-end and back-end web applications using modern languages and frameworks.

- *Projects:* MusicBoxApp (Spotify API, Ajax, JavaScript, CSS), gCamp (Bootstrap, HTML, Ruby on Rails, Haml, Heroku), WeatherApp (Apache Cordova, Ajax, Flickr/OpenWeatherMap API)

Financial Analyst

Dec. 2013 - Jan. 2015

Lutheran Medical Center, Wheat Ridge, CO

Worked in the hospital administrative suite and collaborated with staff across multiple departments as part of larger project to reduce the length of stay for patients, consequently helping to reduce the overhead cost to the hospital and improving patient satisfaction scores.

- Analyzed key performance metrics across multiple departments looking for inefficiencies and opportunities for improvement.
- Led new policy implementation of nurse uniform standardization program to make it easier for clinical staff, patients, and physicians to identify critical skillsets and qualifications resulting in increased patient satisfaction and quality standards.

CAREER EXPLORATION & INTERNSHIPS

Contract Associate (Temporary Position)

Oct. 2013 - Nov. 2013

Express Employment Professionals, Denver, CO

- Improved efficiency in processing of professional license applications for the Department of Regulatory Agencies (DORA) through implementation of barcoding system.

Field Technician

June 2013 - July 2013

RMC Consultants, Wheat Ridge, CO

- Measured water contamination at abandoned missile silo near Cheyenne, WY.
- Installed concrete enclosures around former mining sites in Naturita, CO.

Research Assistant

May 2012 - June 2012

U.S. Geological Survey (USGS), Nome, AK

- Conducted invertebrate transect sampling and regression analysis to determine possible correlations between arthropod and songbird distributions across arctic tundra.
- Applied research to undergraduate thesis for Whitman College degree requirements.

EDUCATION

Bachelor of Arts in Biology

2009 - 2013

Whitman College, Walla Walla, WA

ACHIEVEMENTS

IronMan Texas (2023 Finisher)

San Francisco Marathon (2022 Finisher)

Whitman Collegiate Cycling Member (NWCC Road Race Champion)

FIRST Robotics Software Mentor, Half Moon Bay Pumpkin Bots (2024)