# Eric Cortez

## Software Engineer

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Software Engineer with over 4 years of experience in designing, developing, and optimizing scalable solutions. Expertise in JavaScript, Python, Full-Stack Development, and Database Management. Proven track record of delivering innovative solutions and staying current with emerging technologies.

## Skills

Programming Languages : C++ | JavaScript (Over 250,000 lines) | Python | Hack
Frameworks : React  | Relay | Redux | D3 | Express | Flask | Anaconda | Sphinx | IPyWidgets
Web Technologies : HTML5 | CSS | JSON | NPM | Docker | Heroku | Node.js | AWS
Databases : Postgres | MySQL | SQL  | SQLAlchemy | Sequelize | SQLAlchemy Sequelize
APIs and Testing: GraphQL | REST | TDD (Test-Driven Development) | Jest | Mocha | Pytest

## Work Experience

### Meta | Software Engineer | 5/2023 - Present
- Adept at working in cross-functional teams to define, design, and ship new features to solve complex problems.
- Led the development of a React-based CI Build Health Monitoring Dashboard, enabling on-call teams to access project health information, streamline issue diagnosis and resolution through performance metrics, optimize system management, and save 130 days for 10 project teams by automating job definition tracking.
- Developed a JavaScript-based Wrist Size Calculator tool for inclusive sizing decisions using statistical modeling of 18k wrist measurements. Utilized Plotly and React for data visualization, implemented GraphQL queries in PHP Hack, and internally deployed the tool for easy accessibility to research scientists without coding requirements.

### Meta | Frontend Developer III | 5/2022 - 5/2023
- Proficient in technologies including React.js, with expertise in building scalable and efficient web applications.
- Extensive experience developing responsive web applications for optimal functionality across diverse devices.
- Proactive in identifying performance bottlenecks and implementing solutions for optimal frontend functionality.
- Committed to implementing accessibility best practices to ensure inclusivity in web design and development.
- Proficient in managing source code efficiently using Git and GitHub. Experienced in documenting pull requests with comprehensive feature summaries, tests, and installation instructions to facilitate thorough code reviews.

### County Of Sonoma | Human Services Supervisor | 1/2017 - 6/2021
- Collaborated with 58 California counties to develop the first California Statewide Automated Welfare System (CalSAWS), to ensure more than 11 million people across California receive vital and timely economic assistance.
- Enhanced office efficiency by 30% and minimized client wait times by 35% through streamlined workflows.
- Led the recruitment, training, and development of a high-performing team of 9+ employees.
- In-depth knowledge of Agile and Scrum methodologies, ensuring efficient project delivery.

## Projects

***Facebook Open Source***  *AEPsych - Documentation Website*                    live | github

Developed and deployed a Documentation Website for Facebook Open Source AEPsych, utilizing JavaScript, React, Docusaurus, Python, and Sphinx featuring seamless rendering of Sphinx documentation, automated deployment through shell scripts.

***AEPsych Visualization Dashboard***                    github

Engineered an interactive tool within a Jupyter Notebook using Python, IPyWidgets, and the AEPsych API, streamlining interaction for effortless experimentation and analysis.

***SOCO Transparency Dashboard -*** *Sonoma County Sheriff's Office Arrest Metrics*                    live | github

Developed the SOCO Transparency Dashboard with JavaScript, React, CSS, and the SOCO Data API, offering Plotly visualizations for Sonoma County Sheriff's Office Arrest Data analysis, including visualizations by arresting agency and  arrest types.

## Education

**Associates of Science, Computer Studies, Graduation Year 2024**
Santa Rosa Junior College, Santa Rosa, CA
**Software Engineering Track, Graduation Year 2022**
App Academy, San Francisco, CA

## Certifications

**IT Support Professional Certificate | Graduation Year 2020**