

John Cullen

Software :: Developer

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github.com/jscul]

Technical Skills

JavaScript/TypeScript (Node.js, React)

- React with Redux state manager, experimented with Svelte, Vue, and Angular
- Express, Socket.io, Twilio, Auth0
- Apollo w/ GraphQL
- Jest testing

Python (2.7, 3.6)

- OpenCV and PIL
- Tensorflow, MXNet, PyTorch
- Flask w/ Flask-restful, Bottle, AIOHTTP
- NumPy, SciPy Toolkits, hdbscan, pandas

CSS & Design

- Vanilla CSS and SASS to build responsive interfaces
- Followed web accessibility patterns
- Material-UI library & Icon Fonts
- Worked fluently with UI/UX teams

Databases

- MySQL, PostgreSQL, SQLite, MongoDB, and DynamoDB (w/ phpMyAdmin, pgAdmin, and MySQL Workbench)
- Handled production database migrations/updates, data analysis, security, and hosting
- ORM libraries: Sequelize, Mongoose, MongoEngine, and SQLAlchemy

AWS

- Elastic Beanstalk, Relational Database Service, Route 53, Lambda, S3, Cognito, AWS CLI

Git/GitHub | Docker/Docker Compose | Linux |
Postman | VSCode | Jira/Trello | OAuth | FFmpeg
| Progressive Web Apps | MongoDB Atlas

Education

Santa Monica College

- Computer Science (AS) - Calculus 2, Data Structures, Object-oriented Programming, Database Systems, Operating Systems
- Computer Programming (AS) - Studied Assembly Language, C, C++, Java, and JavaScript

University of San Diego, CA

- Political Science (BA) - Used statistical models to study voter trends, research, and write essays

Work Experience

Dogtown Media (Software Developer / 2½ years)

- Worked with both modern and legacy code bases to add new features, debug, or construct from scratch cloud-based and internally hosted HIPAA compliant applications
- Preparation and presentation of weekly client progress meetings to discuss: optimization of search algorithms for large multidimensional datasets using NumPy, analytics of ML results (speed, space, and accuracy), training and retraining of models, and R&D updates
- Created and proofread whitepapers and statements of work for clients verifying accuracy, readability, and technical overhead
- Ran various technical demos composed of interconnected services, devices, and hardware; visualized through both iOS and web applications
- Implemented cost-saving production services through AWS Lambda, PWA's, and React Native to offer a broader selection to clients

Full-stack Web Developer (Freelance / 1 year)

- Constructed LAMP Stack (Linux, Apache, MySQL. & PHP) services utilizing PayPal's recurring and single-time payment API
- React static sites for local businesses

Personal Projects

- PHP
- React
- PayPal API

Los Angeles County Ocean Lifeguard (Recurrent / 8 years)

- PHP
- React
- PayPal API

All documents demonstrating accomplishments and references to contact are available upon request. Some recommendations and endorsements can be found publicly on my LinkedIn.