Hugh Mann

PORTFOLIO SITE   GITHUB   LINKEDIN   (415) 555-5555   catman9000@gmail.com

SKILLS

JavaScript • React / Redux • Node.js • SQL • PostgreSQL • SQLite • MongoDB • GraphQL / Apollo • Docker • Ruby on Rails
AWS • D3.js • Mobile Responsive CSS / SASS • Bootstrap • AJAX • jQuery • Rspec / Capybara • REST / RESTful APIs • Git / Github
Object Oriented Design Principles / OOP • Test Driven Development Process / TDD • Agile Development

PROJECTS

Catblr – A Tumblr blogging clone for cats (**React / Redux, Ruby on Rails, BCrypt, PostgreSQL**)   live |
github

- Implemented custom user authentication in **Rails** with **BCrypt** to protect specific **React** routes from users until signed in.
- Stored hashed and salted **BCrypt** passwords in **PostgreSQL** to protect user information.
- Employed **OOP** design principles in application architecture and minified **JavaScript** structure with **Webpack**.

Catster – A Bumble clone for cats (**React / Redux, Node.js, Express, MongoDB, WebSockets, AWS**)   live | github
A dating app clone for cats built as a collaborative project with three other developers.

- Implemented custom user authentication in **MERN** stack with **BCrypt** to protect specific **React** routes until logged in.
- Responsible for organizing and building clean **React** component structure with **Object Oriented** design principles.
- Took lead on integration of **Websockets** chat feature and **AWS S3** bucket features for custom user content.
- Worked closely with other team members to optimize **Redux** cycle for instantaneous matches and chatting between users.
- Responsible for custom **Mobile Responsive Design** making in depth use of **CSS3**'s **Flexbox** layout model.

Catrenter – An OpenTable clone for cats (**React, JavaScript, MongoDB, GraphQL, AWS, MongoDB**)   live | github
A reservation app helping users find available cats and cat services.

- Worked collaboratively with a team of 3 other software developers to build and integrate **custom user authentication pattern** using **BCrypt**, a complex **GraphQL** structure and a **Google Maps API** component.
- Took lead on integration of **AWS S3** bucket functionality using Faker.js for seeded GraphQL / MongoDB models.

EXPERIENCE

CAT PROFESSOR – *Lecturer / Multimedia Arts Instruction / Gallery Director*   Spring 2013 - Present

College of Marin, West Valley College, UC San Diego (Guest Lecturer), Bakersfield College & Cerro Coso College

- Instructed students in building **mobile-responsive JavaScript**-heavy personal **front-end websites** in non-CS courses.
- **Directed campus gallery** organizing and **managing 10+ employees** and volunteers for installation of multimedia and **digital artwork** for **6 annual exhibitions** and public visiting artist lectures regularly **exceeding 150 attendants**.

CAT MUSEUM TECHNICIAN – *Basic IT Maintenance / Digital Exhibit Installation & Fabrication*   Spring 2006 - Fall 2016
Exploratorium Museum, San Francisco & The Natural History Museum of Los Angeles

- **Maintained operation of servers** responsible for exhibits during nights and weekends **in place of normal IT staff**.
- **Took lead on teams of 3+** technicians during **installation, repair and fabrication** of **100+ interactive and digital exhibits**.

EDUCATION

KALE UNIVERSITY – *MA in Multimedia Cat Studies*   Master's Degree - Fall 2012