S A Y E R T I N D A L L

Software Engineer

Contact

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Education

|**Naval Nuclear Pipeline**
Dept. of Energy License
2013 – 2015

|**HackReactor Full Stack Software Engineering Immersive**
2019 – 2020

Skills

Languages and Frameworks:

JavaScript (ES6), Reactjs, Node,

Express, HTML/CSS, Babel,

Webpack

Databases & ORM's:

MongoDB/Mongoose, MySQL,

PostgreSQL

Deploying/Testing:

Enzyme, Jest, Mocha/Chai,

Docker, AWS, Nginx, Loader.io,

Artillery

Professional Profile

Navy Veteran turned Software Developer proficient in design, installation, testing and maintenance of software systems. Equipped with a diverse and valuable skillset, including a deep understanding of system design and the software lifecycle. Experienced in various platforms, languages, and embedded systems. Looking to join a passionate team in a dynamic field.

Work Experience

| **Nuclear Reactor Operator**
USN/Dept. of Energy / 2013 – 2019

- 4.5 years of technical, hands-on experience as a shutdown reactor operator, electric plant operator, electrical load dispatcher, electrical maintenance technician, and propulsion plant drill team lead for reactor plant drills for an A4W reactor plant. Directly responsible for supervising roughly 12 individuals in the execution of reactor plant primary maintenance.

| **Web Developer/Marketing**
Learn-Elite.com / 2018 – Present

- 1.5 years of experience working for a 3-person e-commerce online-course platform, Learn-Elite.com, developing, maintaining, and designing marketing content for client sites.
- Assisted in bringing the company to $10k+/mo in sales by implementing SEO, Google Sitemaps, and click funnels.

Software Applications & Projects

| **Back-End System Design**
Stack : ReactJS, Express, NGINX, Docker, AWS, PostgreSQL

- Automatically scale, monitor, and heal pods with Kubernetes, simplifying Dockerized deployments
- Facilitate development by integrating full CI/CD pipeline with CircleCI
- Auto-scale number of active pods based on observed CPU usage and traffic. Drastically decreasing server costs compared to an un-containerized architecture
- Deployed & horizontally scaled to AWS EC2 t2.micro instances

| **Full Stack System Design**
Stack : ReactJS, Express, Docker, AWS, MongoDB, D3, GoogleCharts

- Designed API and optimized backend with 10 million records to handle production level traffic
- Deployed NGINX load-balanced server cluster to AWS, achieving 3200 RPS with ~100ms response time and <0.001% error rate using minimal server costs (free tier t2-micros)
- Stressed and analyzed architectures with loader.io, Artillery, and New Relic to identify performance bottlenecks under load