Senior Software Engineer   DRAFT

Remote or Redwood City, CA – Full Time

About AutoGrid

At AutoGrid, you will join a team helping to accelerate the world's transition to a clean, affordable and reliable energy system. We're a growing and award-winning clean-technology company driving the fundamental transformation of the electrical grid into a distributed, decarbonized and digitized network of connected assets. You will collaborate with a team of world-class software, data and energy experts working at the forefront of advanced data science, artificial intelligence, machine learning and high-performance computing. With more than 3,000 megawatts of flexible capacity under contract with energy companies around the globe, our solutions give you an opportunity to make a real-world impact. If you are passionate about using technology to improve society and love a fun, fast-paced work culture with opportunities for continuous learning and advancement, you will love AutoGrid.

We continuously create an inclusive environment and welcome people from all walks of life. We are empowered to do our best and innovate, while living our unique life and work. Together, we dare to disrupt and turn our bold ideas into reality.

Job Description

The Engineering team is looking for an experienced Senior Software Engineer to implement and optimize the orchestration of many cooperating systems to achieve our customers' goals. To excel in this role, you will need to have the ability to understand how diverse systems work together, analyze what's needed to do this reliably, enhance monitoring solutions to ensure we are meeting customer expectations, and work within and outside of your immediate team to gather knowledge, mentor, and cooperate with all stakeholders to delight our customers.

Experience

- Experience analyzing diverse systems
  - Given **any** system, you can identify its interfaces and learn how it works
- Experience designing and building for reliability
  - Emphasis on customer impact is key, so you'll need to develop an understanding of reliable service delivery from the customers' point of view and implement improvements to meet their expectations
- Experience building monitoring systems
  - You'll need to work with many teams to surface issues that could impact our customers
- Experience working with and across teams on crosscutting concerns
  - Making connections with multiple stakeholders proactively is something you don't shy away from; you take the initiative to both learn from them

and mentor them as part of a multi-team effort to improve the reliability of AutoGrid's services

Responsibilities and Duties

- Write platform code, services and components
- Responsible for design and implementation, test automation and other SDLC activities.
- Gather and analyze requirements and convert functional requirements into concrete technical tasks and be able to provide reasonable effort estimates.
- Work proactively and independently across the global teams to address project requirements and articulate the issues well in advance to address project delivery risks.
- Code reviews, test case reviews and ensure code developed meets the requirements and quality standards.
- Communicate effectively with business and other stakeholders

Qualifications and Skills

- 5+ years experience with OOP design and REST APIs
- Expert designing micro services with containerization tools Docker and Kubernetes
- 5+ years with web frameworks like Ruby on Rails, Django, etc. (RoR preferred)
- Experience with UI frameworks like Angular or ReactJS
- Experience or background with building scalable applications
- Strong background in Data Structures and Algorithms
- Expert with Relational Databases, like MySQL or PostgreSQL
- Experience with Web Services (REST)
- Experience working in cloud environments, AWS preferred
- Experience with SOA & Event Driven Architecture.
- Knowledge with Caching and Messaging technologies like Redis, RabbitMQ, Kafka.
- Experience with Linux development and runtime environments
- Strong Communication skills
- Experience with Agile / SCRUM methodology for product development
- Ability to work in a small highly dynamic team using agile development methodologies (e.g. test-driven-development, continuous-integration, sprints)
- Able to cope with and thrive in fast paced, dynamic work environment with evolving project requirements
- Education: At least a BS/BA in Computer Science or equivalent degree (Electrical/Electronics/Engineering/etc.)
- 5+ years at any leading SaaS firm, startup firm, or energy/product software firm.

Tools and Technologies

- git and GitHub
- Visual Studio Code

- Monitoring tools such as Prometheus, Grafana, etc.
- Containerization: Dockerfiles, images, image registries, etc.
- Container orchestration
- Messaging: Kafka (preferred), RabbitMQ, etc.
- REST APIs
- SQL
- Shell scripting
- Metric, log, and trace collection and visualization
- Monitoring and alerting
- Automated CI/CD and GitOps

Benefits and Perks

- Working with a smart, collaborative, and fun group of people solving big important problems
- An exciting atmosphere, and an outstanding work/life balance
- Beautiful, spacious, modern office in Redwood Shores
- Flexible hours and choice of computer (Mac, Ubuntu, Windows)
- Competitive salary and equity
- Competitive health care, dental, and vision coverage
- Excellent 401(k) and flexible spending plans
- Three weeks of paid time off annually, in addition to 10 paid public holidays
- Life, short term and long-term disability, supplemental, and AD&D insurance
- Commuter transit, parking, biking, vanpool, park & ride benefits
- H-1B visa transfer welcome

AutoGrid is an equal opportunity employer. We do not make hiring, employment or promotion decisions based on race, religion, color, sex, age, national origin, ancestry, sexual orientation, gender or identity or expression, pregnancy or pregnancy-related condition, marital status, height and/or weight.