

Nikhil Naikar, MEng, EIT

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<https://nikhil-naikar.com>

SUMMARY

Detail-oriented and driven engineering professional with strong communication, problem-solving, and teamwork skills. Skilled with Cloud Platforms (AWS, Digital Ocean), Full Stack Development (OOP, SOLID), and Machine Learning (Python, Databricks). Experienced in web development, project management, client relations, and detailed engineering across Oil & Gas (Vista Projects), Energy Infrastructure (Siemens Energy), and SaaS web applications (Benevity, Somnivet).

EDUCATION

Master of Engineering, specialization in Software Engineering

University of Calgary, Graduated Nov 2023, GPA 3.9/4.0

Bachelor of Science in Electrical Engineering, specialization in Power Engineering

University of Calgary, Graduated Apr 2022 with Distinction, GPA 3.4/4.0

SKILLS

Front-end: HTML, CSS, JavaScript, TypeScript, React, Vue, Bootstrap, Shadcn UI, LightningChart

Back-end: Python, Java, C#, ASP.NET Core, Spring Boot, Node.js, Express, Socket.io

Machine Learning: Pandas, Databricks, PyTorch, TensorFlow, scikit-learn, Matplotlib, Seaborn

Other: Git, Linux, Bash, AWS, Digital Ocean, Docker, Terraform, PostgreSQL, Redis

Certificates: AWS Solutions Architect Associate, AWS Cloud Practitioner

EXPERIENCE

Somnivet

Full Stack Developer, Oct 2024 - present

- Collaborated with veterinary anesthesiologists to build a SaaS web application delivering tailored digital protocols, including automatic recording, live remote access, and smart drug calculations, boosting hospital productivity and patient-care quality.
- Designed the architecture and led the development of the live and historical remote view features, establishing a reliable data pipeline with Mirth Connect, PostgreSQL, Redis Pub/Sub, and Socket.io, significantly minimizing the latency of the streaming of waveform data to end-users.
- Oversaw LightningChart user interface development by breaking a complex feature into modular tasks, guiding the front-end developer, removing blockers, and contributed to the codebase to improve user interface, resulting in a visually appealing, and user-friendly program.
- Implemented Jira Service Management, ticket support solution and integrated live chat support to enable urgent bug reporting, accelerated response and resolution times, and increased client satisfaction by ensuring concerns were heard and addressed promptly.
- Supported client outreach, product marketing and with client demos, to showcase SaaS capabilities.
- Managed DigitalOcean cloud infrastructure, setting up resources and applying updates, and leveraged Docker and shell scripts to streamline backend server deployments.

Vista Projects

Electrical E.I.T, May 2025 – present

- Supporting with detailed engineering deliverables for the MEG Christina Lake Regional Project, Phase 2B.

- Performing cable sizing and voltage drop calculations for 4.16 kV and 600 V, 3 phase power distribution systems (feeding motors loads up to 500 hp, Switchgears, Motor Control Centers, Transformers, Panels), by reviewing single line diagrams and schematics while ensuring compliance with the CEC/NEC codes, and optimizing cable selection to reduce costs.
- Assisting senior PEng engineers with Material Requisition packages over \$1 million (MCC buildings, MV and LV SWGs/MCCs, Standby Diesel Generators, Power Cables), coordinating technical clarifications with the Instrumentation and Control department during bid evaluations, to help meet project schedule deadlines.
- Utilizing Dialux to run lighting calculations and simulations, selecting lighting fixtures as per area classification zone, and populating lighting panel schedules for 600/347 V and 208/120 V, 3 phase systems, ensuring all construction work areas meet minimum interior and exterior lux requirements as per client specifications and code requirements.

Software Customer Support Analyst, Dec 2024 – May 2025

- Delivered L1/L2 support using Jira Service Management, responded promptly and empathetically to tickets, and maintained high customer satisfaction.
- Investigated bugs in CurrentSCM web application by reviewing errors logs, and the codebase, reproduced issues on the local instance, documented findings and steps to recreate bug, and escalated them to the development team for implementing fixes, which resulted in faster isolation of root causes and shorter resolution times.
- Completed front-end development (Vue.js) PRs, collaborated with the development team to troubleshoot bugs, implement feature enhancements, and fix issues in an Agile environment where two-week sprints were utilized to maintain focus and drive code development.
- Coordinated and scheduled client meetings while maintaining open communication, and prepared tailored CurrentSCM workflow demos to showcase capabilities and address client concerns.
- Collaborated with stakeholders, product owners, the engineering and procurement departments to map a Material Requisition workflow in CurrentSCM and build a new job procedure.
- Coordinated system trials with engineers, gathered user feedback, and drove feature development to overcome challenges, resulted in significant progress on the MR rollout initiative.

Benevity

Full Stack Developer, Internship, May 2023 – Aug 2023

- Collaborated effectively with a cross-functional team to develop a feature similar to Spotify's 'Wrapped' summaries for Benevity's platform, serving 10M+ users and deployed to AWS.
- Achieved a 95% client satisfaction score by working in an Agile environment and ensuring continuous, effective communication with stakeholders via Slack and weekly meetings to gather feedback, validate progress, and meet project requirements.
- Created RESTful APIs with Java and Spring Boot, achieving optimized response times of under 200ms for simple requests and under 2 seconds for complex processes.

Siemens Energy

Project Manager, Internship, May 2021 – Aug 2022

- Enhanced project efficiency by supporting the lead project manager with successful execution of transformer installation and maintenance service projects at the Red Bluff Substation and Cascade Power Plant.
- Established strong client relationships by building trust through maintaining open communication, leading weekly update meetings with the client and the consulting PEng professionals.
- Facilitated smooth operations by managing site logistics and inventory, responding to emergent needs on-site, and performing transformer assembly/maintenance (valve and bushing replacements, oil cleaning and refilling, conduction tests), reducing delays and boosting field-service team satisfaction.