David Koser *Software Engineer*

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EDUCATION

DevMountain   *Graduated May 2021*
- Full-Stack Web Development Program

University of Minnesota, St. Paul, MN   *Gradated May 2020*
- Master of Professional Studies in Horticulture

St. Olaf College, Northfield, MN   *Gradated May 2015*
- Bachelor of Arts in Biology

SKILLS

AWS API Gateway | AWS Amplify | AWS Lambda | AWS Route53 | AWS S3 | Axios | Bcrypt | CSS | Chart.js | D3 | ESLint | Emotion/CSS in JS | Express | Git | GitLab | Github | Google Apps Script | HTML5 | Heroku | Javascript | Jest | Massive | Mobile First Web Design | Node Fetch | NodeJs | Nodemailer | PL/pgSQL | PostgreSQL | Postman | Prettier | Puppeteer | QGIS | React | React Hooks | React Redux | React Router | RegEx/Regular Expressions | Responsive Web Design | RPA | SASS | SCSS | Serverless | SheetJS | Stripe | Typescript | VSCode Extension API

PROFESSIONAL EXPERIENCE

OLIVE AI | Columbus, OH   *August 2021 - Present*
Software Engineer

RPA | Typescript | NodeJs | Git | GitLab (Pipeline Development etc.) | Eslint | Prettier | RegEx/Regular Expressions | Serverless | AWS Lambda | AWS S3 | AWS API Gateway | Semantic Release | Postman | VSCode Extension API | Puppeteer
- Utilized proprietary OliveScript framework built in NodeJs and Typescript to automate tasks for medical clients
- Created and rewrote several reusable modules designed to reduce time to delivery for custom automation projects
- Improved the OliveScript framework by fixing bugs and adding features using ground-level return on experience
- Created application on the Olive Helps platform designed to speed data entry, winning internal contest (ReactJs)
- Leveraged Serverless, AWS S3, AWS API Gateway and AWS Lambda to develop internal services in Typescript

DEVMOUNTAIN | Lehi, UT   *February 2021 - August 2021*
Web Developer / Software Engineer (student)

Backyard Restoration - Github Repo | Demo (Username: test, Password: test)

Javascript | React | Redux | NodeJs | Express | PostgreSQL | Massive | D3 | CSS | SASS | Git | Github | Postman | SQL Tabs | Figma | Heroku | HTML5 | bcrypt | axios | Stripe | Nodemailer | PL/pgSQL
- Developed a tool to help users select and schedule strategies to eliminate environmentally hazardous weeds
- Incorporated functionality to help users select the appropriate plant species for their goals and site conditions
- Created a full CRUD RESTfulAPI to enable easy access to stored weed info within PostgreSQL Heroku database
- Utilized historical weather data from NOAA API to calculate hardiness zone and season length for user's location
- Simplified the user experience by calibrating management start and end dates with season length within D3 timeline

Top Table Games - Github Repo | Demo (Username: zUsername, Password: z)

Typescript | Javascript | React | Redux | NodeJs | Express | PostgreSQL | Massive | Chart.js | CSS | SASS | Emotion/CSS in JS | Git | Github | Postman | SQL Tabs | Figma | Heroku | HTML5 | bcrypt | axios | Nodemailer
- Developed a website enabling board game enthusiasts to find, review and rate new games and compare play counts
- Built a Node.js backend leveraging Express and PostgreSQL that improves user facing via descriptive error reporting
- Worked with front-end developers to improve the user experience via mobile-first design principles
- Worked in a team of three using Git, Github and Trello project management tools in a remote environment

- Served as lead backend developer and team lead for implementing backend technologies including Nodemailer

PRAIRIE RESTORATIONS INC. | Lewiston, MN   *September 2020 - December 2020*
Assistant Project Manager / Restoration Tool Developer

Excel | QGIS
- Determined site historical vegetation, physical and ecological context to select appropriate native plant material
- Utilized QGIS GRASS hydrological modeling to create client zone map delineations and planting schemas
- Developed excel tools allowing for efficient sorting and selection of plant materials for client projects
- Utilized complex budget and seed calculator spreadsheets to create cost estimates and determine seeding rates
- Assisted with removal of invasive species and undesirable vegetation to prep and manage ecological systems
- Applied herbicides and maintained Minnesota Commercial Pesticide Applicator license categories A & J

BACHMANS INC. | Lakeville, MN   *Jun 2019 – Aug 2019*
Greenhouse and Nursery Production Intern

Javascript | Google Apps Script
- Created an interactive database utilizing Google Sheets and Javascript to improve record-keeping and operations
- Collected soil samples and analyzed them for electrical conductivity and pH, interpreting the results
- Applied biological insecticides and fungicides, including Steinernema feltiae, Bacillus spp., and mites/wasps
- Calculated appropriate chemical weights/volumes and prepared tanks for boom and air-blast sprayer application

UNIVERSITY OF MINNESOTA | Saint Paul, MN   *September 2018– May 2020*
Master of Professional Studies in Horticulture Student

Javascript | QGIS | UI Path | Google Apps Script | Amazon Mechanical Turk | Qualtrics
- Completed capstone project evaluating market supply and demand for a number of horticultural products in an area
- Built a database using UI Path to web-scrape information regarding producers' product offerings within this area
- Utilized Amazon Mechanical Turk, social media and Qualtrics survey platform to assess consumer demand
- Analyzed data with Google Apps Script and Javascript to create a final presentation delivered to students and faculty

ARKEMA INC. | Blooming Prairie, MN   *August 2016 – August 2018*
Arkema Integrated Management System (AIMS) Coordinator

Excel | Thermo Fisher Laboratory Information Management System
- Conducted gap analysis to AIMS protocol, formulated action plans and tracked corrective actions to completion
- Created an internal audit system and developed corresponding excel tools to guide internal auditors
- Developed excel tools to simplify and digitize corporate occupational health and safety risk assessment systems
- Became site expert on site's laboratory information management system and made improvements where necessary
- Worked with corporate IT to connect laboratory instruments to laboratory information management system
- Collaborated with leadership team to develop top-level AIMS element procedures and supporting documentation

ARKEMA INC. | Blooming Prairie, MN   *January 2016 – August 2016*
Quality Control Laboratory Technician

Excel | Thermo Fisher Laboratory Information Management System
- Analyzed product samples using sophisticated electronic laboratory instrumentation/software and hand titrations
- Generated certificates of analysis using custom-built SAP software and maintained electronic sample records
- Calibrated laboratory instruments when necessary and mixed, refilled and standardize laboratory solutions as needed
- Submitted electronic management of change requests to document corrections to procedures and documentation

SHERWIN-WILLIAMS | Austin, MN   *July 2015 - January 2016*
Sales Associate

- Helped homeowners and contractors troubleshoot and select the appropriate paint and supplies for their projects

- Used Color-Eye™ spectrophotometer and computerized tinting system to mix and fine-tune paint colors
- Applied color theory to match wood stains and help customers select the right colors for their projects
- Operated computerized POS, customer account and inventory system to reference order history and move inventory

DOLLAR TREE | Austin, MN   *July 2015 - September 2015*
Cashier

- Operated computerized cash register quickly and accurately to ensure a timely checkout
- Stocked shelves, arranging merchandise to fit the organizational schema stipulated by management
- Unloaded truck deliveries, sorting merchandise into the appropriate location within the back room
- Vacuumed floors, washed windows and maintained a high standard of cleanliness within the store