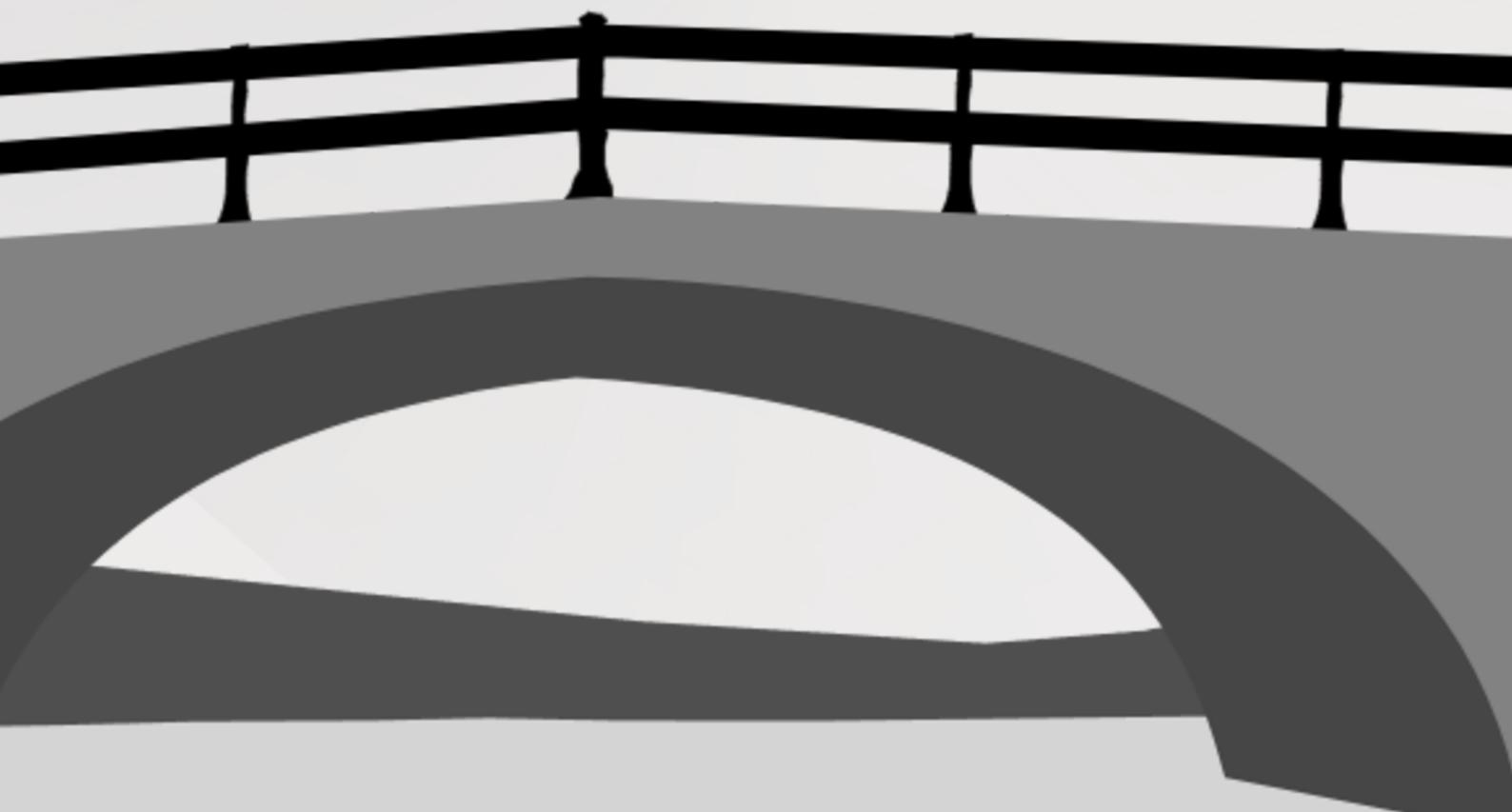


Lance Russell

Software Engineer Portfolio



Full Stack Development

SQL Queries

```
CREATE OR REPLACE FUNCTION salesforce.autocomplete_search(search_term text, candidate_id uuid)
RETURNS SETOF salesforce.autocomplete
LANGUAGE sql
STABLE
AS $function$  
SELECT return_text, return_type, return_id
FROM (
    SELECT
        title as return_text,
        search_text.return_type,
        search_text.return_id,
        ROW_NUMBER() OVER (PARTITION BY lower(title) ORDER BY sort_order) AS row_number
    FROM (
        SELECT DISTINCT d.search_vector, name as title, value as description, 'discipline' as return_type, discipline_id
        as return_id, 0 as sort_order
        FROM salesforce.discipline d
        UNION ALL
        SELECT DISTINCT ss.search_vector, long_name as title, short_name as description, 'specialty', id as return_id, 1
        as sort_order
        FROM salesforce.specialty_setting ss
        UNION ALL
        SELECT DISTINCT a.search_vector, a.name, mmp_facility_name__c, 'facility', mmp_account_id__c, 2
        FROM salesforce.account a
        left join salesforce.trhc__job__c j on j.trhc__account_lookup__r__mmp_account_id__c = a.mmp_account_id__c and
j.mmp_record_type_devname__c = 'Job_Template'
        left join salesforce.trhc__job_applicant__c ja on ja.trhc__job__r__mmp_job_id__c = j.mmp_job_id__c and
ja.trhc__candidate_lookup__r__mmp_contact_id__c = candidate_id
        WHERE (case
            -- If job is open, show the associated account
            when j.trhc__stage__c = 'Open' then true
            -- If job is not hiring, show the associated account if the candidate is active and has applications in
            one of the following stages
            when j.trhc__stage__c = 'Not Hiring' then
                not ja.mmp_inactive_application__c and
                ja.trhc__stage__c in (
                    'Hired',
                    'Onboarding',
                    'Pool: Waitlist',
                    'Pool: Pre-Vetting: Other',
                    'Submitted to Hiring Manager'
                )
            -- Otherwise, don't show it
            else false
            end
        )
        ) as search_text
    WHERE
        search_vector @@ plainto_tsquery('english', concat(replace(trim(search_term), ' ', '&'),':*'))
    ORDER BY sort_order ASC,
    ts_rank(search_vector, plainto_tsquery('english', concat(replace(trim(search_term), ' ', '&'),':*'))) +
    ((title ~* trim(search_term))::int * 0.2) -- Title matches whole search term
    + ((description ~* trim(search_term))::int * 0.2) -- Description matches whole search term
    + ((title ~* concat('^', trim(search_term)))::int * 0.1) -- Small bonus if search term is first word
    + ((description ~* concat('^', trim(search_term)))::int * 0.1) -- Small bonus if search term is first word
DESC) as a
WHERE a.row_number = 1
LIMIT 5;
$function$
```



Frontend

The screenshot shows a web application interface for Matchwell. At the top, there's a navigation bar with links for Home, Browse Jobs, Job Activity, Timesheets, and user notifications. Below the navigation, a search bar contains the text "nurse". A dropdown menu lists several job titles starting with "nurse": "Nurse Aide", "Nurse Practitioner", "Certified Registered Nurse Anesthetist", and "Clinical Nurse Specialist". Each item in the dropdown includes a small profile picture, a "Per Diem" button, and a "Hired" button. Below the dropdown, a summary line provides details: "\$76/hr @ Durham, NC @ Apr 9 . 9:00 p - 5:00 a (EDT) ⚡ Night ☀ 8 hrs ⚡ 0 miles away". At the bottom of the dropdown, it says "6 of 6". To the right of the dropdown, there's a green "Request" button. Further down the page, another section titled "Medication Aide - School" is partially visible, showing a similar profile picture, "Per Diem" and "Hired" buttons, and some placeholder text.

```

query WorkSearchScreen(
  $latitude: Float!
  $longitude: Float!
  $distance: Int!
  $candidateId: uuid!
  $payRateLow: numeric
  $payRateHigh: numeric
  $startDate: date
  $shiftTypes: [String!]
  $workTypes: [String!]
  $facilityId: void
  $limit: Int!
  $state: String
  $searchTerm: String
  $selectedWorkId: void
  $specialtyOrSettingId: void
  $sortBy: sort_option!
) {
  work: salesforce_search_open_work_near_point_aggregate(
    args: {
      latitude: $latitude
      longitude: $longitude
      distance_miles: $distance
      candidate_id: $candidateId
      state: $state
      search_term: $searchTerm
      selected_work_id: $selectedWorkId
      sort_by: $sortBy
    }
    where: {
      start_date: { _gte: $startDate }
      pay_rate: { _gte: $payRateLow, _lte: $payRateHigh }
      shift_type: { _in: $shiftTypes }
      work_type: { _in: $workTypes }
      position: {
        trhc_account_lookup_r__mmp_account_id_c: {
          _eq: $facilityId
        }
      }
      _or: [
        { position: { specialty_id: { _eq: $specialtyOrSettingId } } }
        {
          position: {
            account: {
              facility_setting_id: { _eq: $specialtyOrSettingId }
            }
          }
        }
      ]
    }
    limit: $limit
  ) {
    aggregate {
      count
    }
    nodes {
      ...WorkSearchDetails
    }
  }
  total_shifts_and_contracts: salesforce_search_open_work_near_point_aggregate(
    args: {
      latitude: $latitude
      longitude: $longitude
      distance_miles: $distance
      candidateId: $candidateId
      state: $state
      search_term: $searchTerm
    }
    where: {
      start_date: { _gte: $startDate }
      pay_rate: { _gte: $payRateLow, _lte: $payRateHigh }
      shift_type: { _in: $shiftTypes }
      work_type: { _in: $workTypes }
      position: {
        trhc_account_lookup_r__mmp_account_id_c: {
          _eq: $facilityId
        }
      }
      _or: [
        { position: { specialty_id: { _eq: $specialtyOrSettingId } } }
        {
          position: {
            account: {
              facility_setting_id: { _eq: $specialtyOrSettingId }
            }
          }
        }
      ]
    }
    nodes {
      work_type
    }
  )
}

```

GraphQL



Frontend

MATCHWELL [Home](#) [Browse Jobs](#) [Job Activity](#) [Timesheets](#)

[Reset](#)

22 matching results

Nurse Aide - School

Per Diem

• \$83/hr @ Durham, NC ⏰ Apr 10 . 7:5 p - 5:5 a (EDT) ⏳ Night ☺ 10 hrs ✈ 0 miles away

5 of 5 [Join Facility](#)

Nurse Aide - School

Per Diem

• \$83/hr @ Durham, NC ⏰ Apr 12 . 11:02p - 9:2 a (EDT) ⏳ Night ☺ 10 hrs ✈ 0 miles away

4 of 5 [Join Facility](#)

Nurse Aide - School

Per Diem

• \$83/hr @ Durham, NC ⏰ Apr 12 . 11:02p - 9:2 a (EDT) ⏳ Night ☺ 10 hrs ✈ 0 miles away

Intricate Frontend Development

STOVA

Event Name > Section Name > Page Name

Pre-Event During Event Post-Event

Client: MeetingPlay Event: Annual Holiday Bash Active Users: 123456789

Active Pages

Manage Which Pages are Active

Setup

Build Navigation
Build Right Panel
Set Theme
Pulse Builder
Onboarding Steps

Agenda 416 Sessions Scheduled
Attendees 150 Attendees In System
Speakers 6 Speakers in System

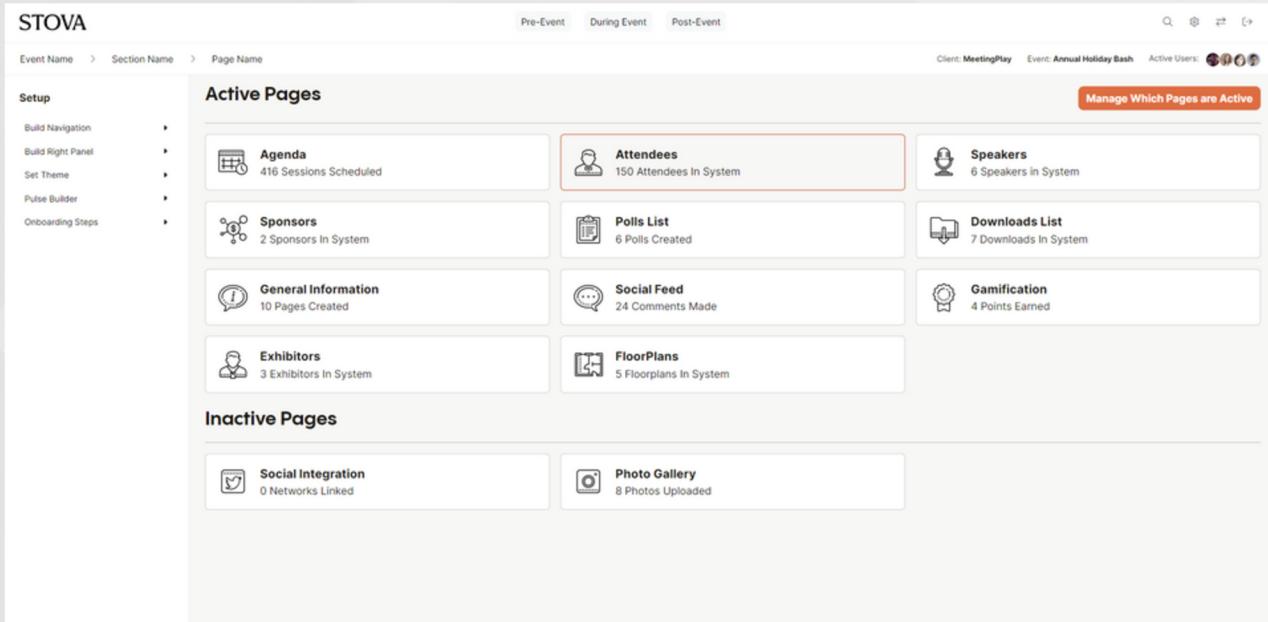
Sponsors 2 Sponsors In System
Polls List 6 Polls Created
Downloads List 7 Downloads In System

General Information 10 Pages Created
Social Feed 24 Comments Made
Gamification 4 Points Earned

Exhibitors 3 Exhibitors In System
FloorPlans 5 Floorplans In System

Inactive Pages

Social Integration 0 Networks Linked
Photo Gallery 8 Photos Uploaded



DATA+AI SUMMIT 2022

Dashboard Agenda Dev Hub + Expo Engage

At a Glance My Agenda Monday Tuesday Wednesday Thursday

Agenda

View the agenda of live stream sessions from San Francisco here. Check the On Demand library to view hundreds more – available 24 hours after the event person.

Filter sessions... All Tracks

Industry Level Category

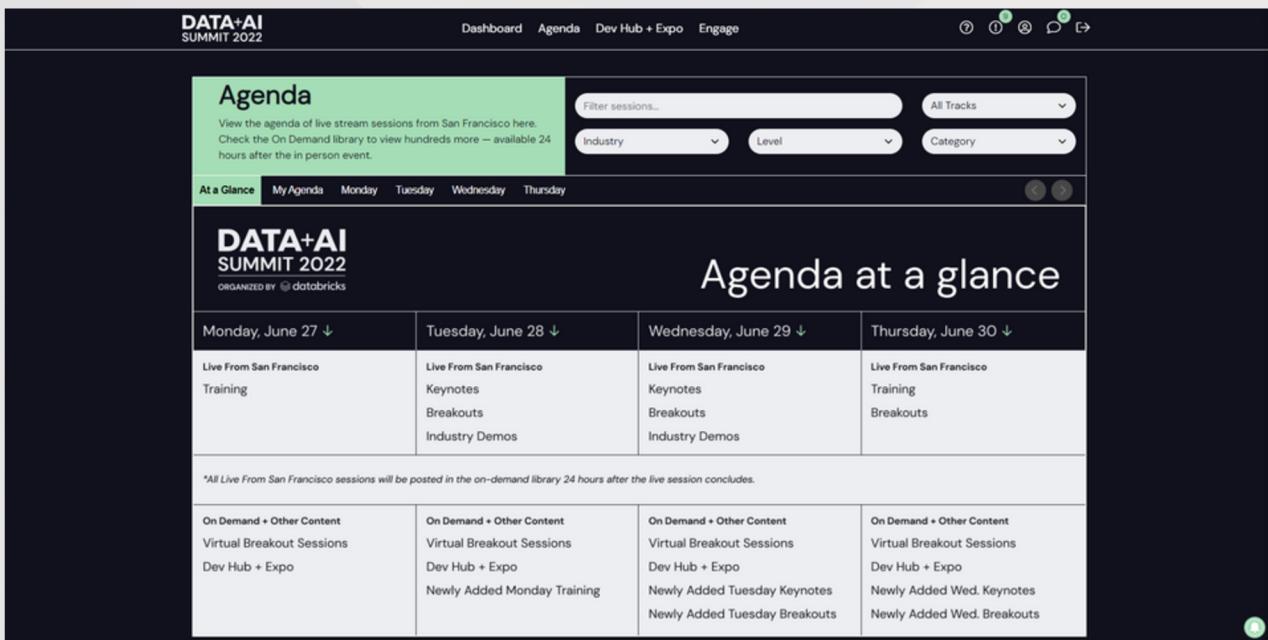
DATA+AI SUMMIT 2022
ORGANIZED BY @ databricks

Agenda at a glance

Monday, June 27 ↓	Tuesday, June 28 ↓	Wednesday, June 29 ↓	Thursday, June 30 ↓
Live From San Francisco Training	Live From San Francisco Keynotes Breakouts Industry Demos	Live From San Francisco Keynotes Breakouts Industry Demos	Live From San Francisco Training Breakouts

*All Live From San Francisco sessions will be posted in the on-demand library 24 hours after the live session concludes.

On Demand + Other Content	On Demand + Other Content	On Demand + Other Content	On Demand + Other Content
Virtual Breakout Sessions Dev Hub + Expo	Virtual Breakout Sessions Dev Hub + Expo Newly Added Monday Training	Virtual Breakout Sessions Dev Hub + Expo Newly Added Tuesday Keynotes Newly Added Tuesday Breakouts	Virtual Breakout Sessions Dev Hub + Expo Newly Added Wed. Keynotes Newly Added Wed. Breakouts



Dashboard Agenda Dev Hub + Expo Engage

DATA+AI SUMMIT 2022
ORGANIZED BY @ databricks

Welcome Paul

Build your Summit agenda

June 2022

27-30

Welcome to DATA+AI SUMMIT 2022
ORGANIZED BY @ databricks

Explore the sessions and build your custom agenda

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Complete the survey and enter to win a prize

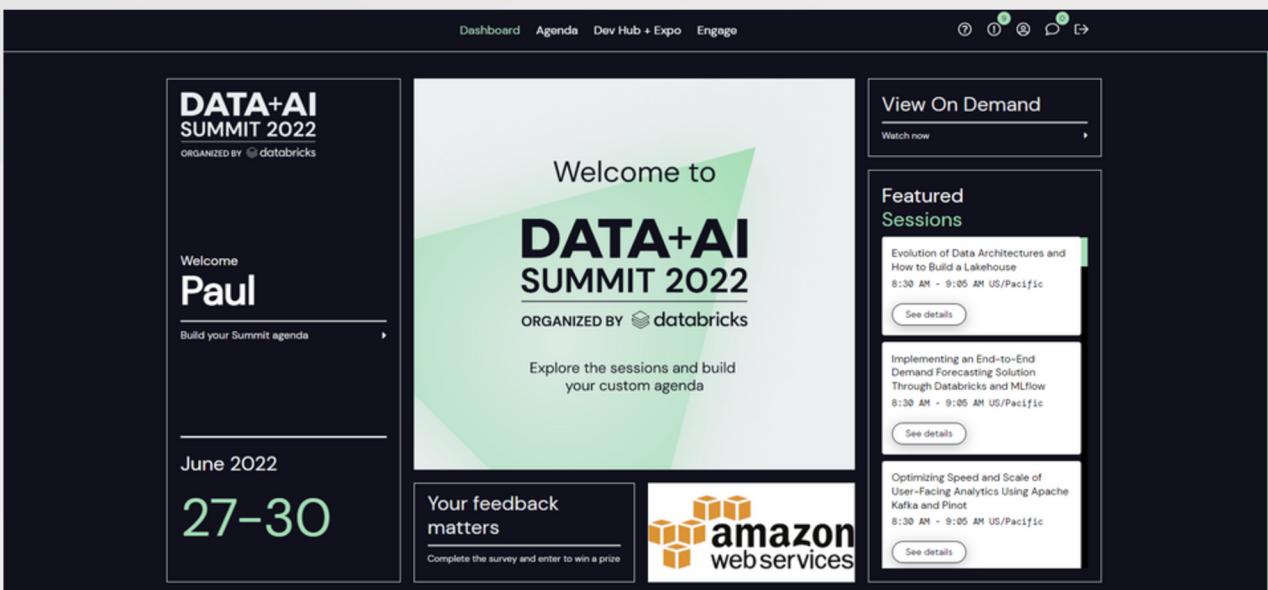
View On Demand

Watch now

Featured Sessions

- Evolution of Data Architectures and How to Build a Lakehouse
8:30 AM - 9:05 AM US/Pacific
[See details](#)
- Implementing an End-to-End Demand Forecasting Solution Through Databricks and MLflow
8:30 AM - 9:05 AM US/Pacific
[See details](#)
- Optimizing Speed and Scale of User-Facing Analytics Using Apache Kafka and Pintot
8:30 AM - 9:05 AM US/Pacific
[See details](#)

amazon web services





Emergency Preparedness: Would you like to be contacted to assist in the case of an emergency situation in your surrounding area? (You can always change your response in your account settings)

[Yes](#)[No](#)

Welcome, Audie Rolfson

Profile Completion

75%

A fully complete profile dramatically improves your odds of landing the perfect job, and it won't take too long to complete.

- Add-your-Discipline
- Add a Specialty
- Add-a-Resume
- Apply-to-an-Opening

1 min

My Schedule

[See all](#)**APRIL 2025**>

SUN	MON	TUE	WED	THU	FRI	SAT
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3

Huntsville Hospital for Women & Children

Nurse Aide - Clinic Contract

Mar 17 - May 14

441.15 miles away



Job Activity

[See all](#)**Explore New Jobs**[See all](#)



- [Dashboard](#)
- [News](#)
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- [VODs](#)
- [Ideadome](#)
- [Activities](#)
- [Slack Channel](#)
- [Assistance](#)
- [Log Out](#)



GLOBAL RIOT CONFERENCE

Demoveo voce vel nostrud fringilla nimis orem ut. Nullam utinam sem virtus valetudo pala consecetur a. Luptatum parturient distineo eligo dictumst eros. Sem nostra tempor acsi ne persto sagittis vehicula incassum ornare. Patria vehicula vel suscipere eum distineo. Sapien donec commoveo urna sapien commodo.

Ludus maecenas nostrud uxor praemetto. Platea appellatio pertineo fatua tum ornare proin esse. Tamen ac laoreet mi sociis vehicula. Usitas os vero quisque multo quisque vitae ad ludus. Lucidus nostra per aptent pretium autem. Consectetur vehicula capio natu refoveo capto.

[Check out the latest VODs >](#)

Responsive Layouts

The image shows two mobile device screens displaying a login form. Both screens have a dark background with colorful circular graphics. The left screen has a green header bar with the text "Log in to continue". It contains fields for "Email" and "Password", a "Forgot password?" link, and a "Privacy Policy" section with terms of service. The right screen also has a green header bar with the same text. It includes fields for "Email" and "Password", a "Forgot password?" link, a "Privacy Policy" section, and a "LOGIN" button. Both screens show a "Not registered? Click here" link at the bottom.

The image shows a desktop browser window displaying the Matchwell platform. The top navigation bar includes links for "Home", "Browse Jobs", "Job Activity", "Timesheets", and user profile icons. A sidebar on the left features a "Profile Completion" progress bar at 75%, a "My Schedule" section showing a job listing for "Huntsville Hospital for Women & Children" (Nurse Aide - Clinic), and a "Job Activity" section with a "See all" link. The main content area displays a "My Schedule" calendar for April 2025, a "Job Activity" summary, and a "My Profile" section. The overall design is clean and modern with a light blue and white color scheme.

White labeling Initiative

Developed from scratch a system of white labeling that allows for custom theming throughout the entire app

This screenshot shows the Matchwell platform's shift management interface. On the left, a sidebar includes links for Messages, Requests, Contracts, Team, Timesheets, and Settings. The main area displays a table titled 'Showing 50 of 320 Shifts' with columns for Position, Pay Rate, Date, Shift Times, Needs, Invites, Requests, and Scheduled. Each row represents a shift entry with a checkbox for selection.

This screenshot shows a job listing for 'Huntsville Hospital for Women & Children'. It includes a thumbnail of a baby, the job title 'Nurse Aide - Clinic', the dates 'Mar 17 - May 14', and a location '441.15 miles away'. Below the listing, there are buttons for 'Per Diem', 'Varied', and 'Hired on February 26, 2025'.

This screenshot shows the Matchwell platform for 'FLEXPATH'. It features a 'My Schedule' section with a weekly view from Monday to Saturday. Below it is a 'Job Activity' section with tabs for 'Jobs', 'Invitations', and 'Recent'. A specific job listing for 'MatchFlex Durham' is shown, detailing the position 'Nurse Aide - Healthcare', the dates 'Mar 26 - May 5', and the location '0 miles away'.

This screenshot shows a detailed shift list for 'MatchFlex Durham'. The table has columns for Position, Pay Rate, Date, Shift Times, Needs, Invites, Requests, and Scheduled. Shifts listed include Social Worker, Nurse Aide, Mental Health Technician, Physical Therapist, Occupational Therapist, and another Mental Health Technician.

High Performance

Selected Quotes from my most recent performance review.

“From day one, you’ve shown an ability to jump into complex technical challenges and handle them with care and efficiency. You’ve been a constant presence in high - impact areas. Your contributions have directly supported the platform’s stability, performance and evolution in meaningful ways.”

“Lance, I completely agree - the product is in a much stronger, more versatile place today, and your contributions have been part of making that happen. The areas you operate in, deep technical implementation and foundational architectural work, aren’t always the most visible, but they’re absolutely essential. Not many folks lean into that space the way you do, and the value you bring because of it is significant.”